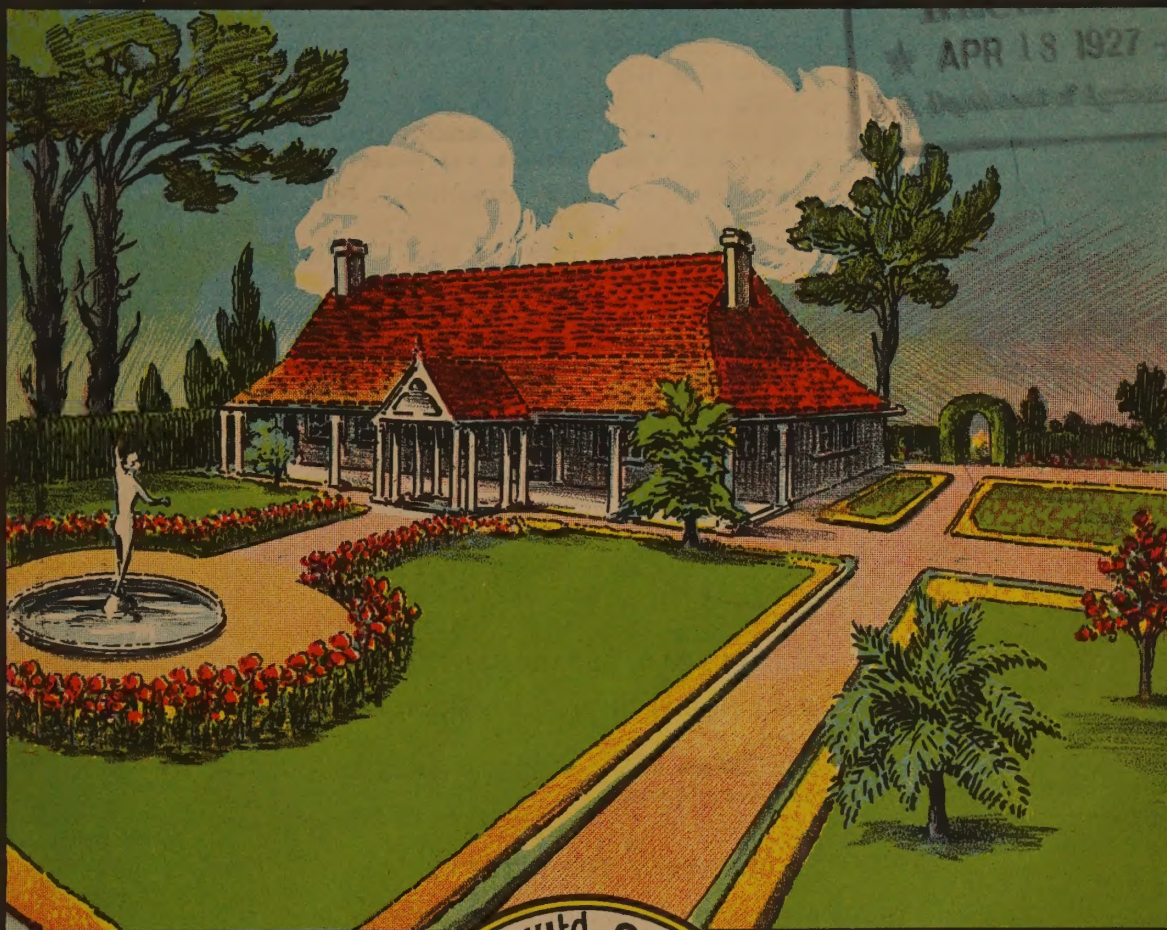


6384  
**G.H. Williams and Co. L<sup>td</sup>**

**Farm and Garden Seeds.**



PLANTERS  
FOR



GUIDE

RHODESIA

**1926**

*Africa*



Telegrams : "GEEAITCH."

Telephone No. 467, Seed Department.

P.O. Box 139.

The "Reliable" Seed House,  
Salisbury,  
1st August, 1926.

To Our Customers and Friends,

We have pleasure in submitting for your perusal "Our Planter's Guide and Seed Catalogue" for 1926-27, and we take this opportunity of thanking our numerous friends who have expressed their appreciation of our efforts on behalf of the Horticultural and Agricultural pursuits of this new Colony.

Our efforts have been amply rewarded. The enquiries which we have received during the past year for this publication have far exceeded all previous years, and we have every confidence in recommending this book as being "The Complete Guide to Horticulture and Agriculture in Rhodesia."

With reference to the seed-growing season 1925, we regret that the reports from our Home and Continental Growers are not satisfactory, inasmuch as at the time rain was required none came, and when sunshine was needed it rained copiously.

Some of the later ripening varieties suffered considerably, especially among Flower Seeds.

In Vegetable Seeds, Peas and Lettuce gave the most disappointing result.

Due to judicious buying from various localities best suited for seed production, we have been able to secure sufficient stocks for our customers' requirements, and they may rely on getting our usual "Reliable" high class quality seeds.

**Special attention** is directed to the **Distinct and Valuable Novelties** and **Specialities** offered on the coloured pages. The varieties offered are exceptionally fine and worth a trial.

**RHODESIAN-GROWN SEEDS.**—Owing to the lateness of our rains, most crops (unless where irrigation was available) are considerably later than last year. We anticipate, however, that the quality will be higher than the previous year.

Due no doubt to the increasing acreage which is being cultivated, there was a scarcity in some varieties of seeds, notably Ground Nuts, Velvet Beans and Sunn Hemp. The latter two varieties are being largely used as soil renovators in the form of green manure.

#### **FLORAL DEPARTMENT.**

This part of our business requires little commendation, as our increasing turnover speaks for itself.

The high class, artistic designs which are prominent in all our work are highly appreciated by our numerous customers.

#### **NURSERY DEPARTMENT.**

Our efforts in this new venture have been greatly appreciated by our friends and customers.

The Nurseries are situated at Parktown, about four miles from Salisbury, off the Beatrice Road.

Visitors are welcome to inspect our stocks, and any information or advice will be gladly given.

Assuring you of our best attention at all times.

We are,

Yours faithfully,

G. H. WILLIAMS & CO., LTD.

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## Business Notices, etc.

**TERMS.**—Monthly Settlements; 10 per cent. discount allowed on all accounts settled in full on or before the 7th of the month following date of purchase (country 15th). Special quotations are strictly net. No accounts opened for small amounts or balances. Owing to the clerical labour involved, we cannot allow discount on bookings under 10s.

**WARRANTY.**—We give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants or potatoes we may send out. Any seeds, etc., not accepted on these conditions must be returned to us at once and the purchase money will be refunded.

**N.B.**—Trees, plants and all perishables are sold **CASH WITH ORDER ONLY.**

**"OUR GUARANTEE."**—While accepting no responsibility for the resultant crop or crops of any seeds, bulbs, plants or potatoes we may send out, we give below a list of farm and vegetable seeds, the percentage of germination which we guarantee:—

### Vegetable Seeds.

|                            |              |
|----------------------------|--------------|
| Beans (Broad) .....        | 70 per cent. |
| Beans (Runner) .....       | 55 "         |
| Beans (Dwarf) .....        | 70 "         |
| Borecole .....             | 65 "         |
| Beet (of Clusters) .....   | 45 "         |
| Cabbage (Garden) .....     | 65 "         |
| Carrot (Rubbed Seed) ..... | 50 "         |
| Cauliflower .....          | 55 "         |
| Cucumber .....             | 60 "         |
| Kohl Rabi (Garden) .....   | 60 "         |
| Leek .....                 | 50 "         |
| Lettuce .....              | 70 "         |
| Melon (Musk) .....         | 60 "         |
| Melon (Water) .....        | 55 "         |
| Onion (Garden) .....       | 50 "         |
| Parsnip .....              | 40 "         |
| Peas .....                 | 65 "         |
| Pumpkin .....              | 75 "         |
| Radish .....               | 80 "         |
| Spinach .....              | 50 "         |
| Squash and Marrow .....    | 60 "         |
| Sweet Corn .....           | 40 "         |
| Tomato .....               | 75 "         |
| Turnip .....               | 80 "         |

### Farm Seeds.

|                           |              |
|---------------------------|--------------|
| Lucerne .....             | 85 per cent. |
| Beggar Weed .....         | 60 "         |
| Paspalum .....            | 40 "         |
| Phalaris .....            | 60 "         |
| Sudan Grass .....         | 70 "         |
| Teff Grass .....          | 80 "         |
| Carrots (Field) .....     | 45 "         |
| Mangold .....             | 55 "         |
| Swedes (Field) .....      | 80 "         |
| Turnips (Field) .....     | 75 "         |
| Cabbage (Field) .....     | 65 "         |
| Pumpkin (Field) .....     | 70 "         |
| Barley .....              | 75 "         |
| Wheat .....               | 85 "         |
| Oats .....                | 70 "         |
| Linseed .....             | 80 "         |
| Sunflower .....           | 55 "         |
| Peas (Field) .....        | 60 "         |
| Boer Manna .....          | 80 "         |
| Buckwheat .....           | 80 "         |
| Tobacco .....             | 75 "         |
| Cotton .....              | 80 "         |
| Beans (Field) .....       | 70 "         |
| Coffee (Fresh Seed) ..... | 80 "         |

The above standard of germination we guarantee when they leave our warehouse, but we cannot be held responsible for deterioration due to changes in climate, temperature, damage in transit, etc., over which we have no control.

**CONVEYANCE.**—All seeds, trees, etc., are quoted and sold ex store, Salisbury, and forwarded at customer's risk. We accept no responsibility after seeds, etc., have been handed over to the Railway against a clean receipt. Any claim for loss or damage in transit must be made to the Railway Company.

**AGRICULTURAL PARCEL POST.**—Rates for Southern Rhodesia are: Not exceeding 1½lb., 3d.; not exceeding 2½lb., 6d.; each additional lb., 3d. Please note that we shall not under any circumstances send other than Rhodesian produce by Agricultural Post; imported seeds cannot be sent by Agricultural Post.

**PARCEL POST** within Southern Rhodesia: Not exceeding 3½lb., 1s. 3d.; 7½lb., 2s. 6d.; 11½lb., 4s.

**TRADE AND MARKET GARDENERS.**—We make a considerable reduction on prices quoted when seeds are purchased in bulk or quantities. Wholesale Price Lists on application.

**NAME, POSTAL ADDRESS** and Railway Station or Siding should be given with each order.

**ALL PRICES** are subject to fluctuations of the market and liable to alteration without notice.



## *Sowing and Germination of Seeds.*

**GOOD SEEDS PROPERLY PLANTED.**—There is no more prolific source of disappointment and failure amongst amateur gardeners than hasty, careless or improper sowing of the seed. A seed consists of a minute plant enclosed in a hard and more or less impervious shell, with a sufficient amount of food stowed in or around the germ to sustain it until it can expand its leaves, form roots and provide for itself. Moisture, heat and a certain amount of air are necessary to secure germination. A dry seed may retain its vitality and remain unchanged for years, but after germination has commenced, a check of a day or two in the process may be fatal. There is no time in the life of a plant when it is so susceptible of injury from the over-abundance or want of sufficient heat and moisture as at the period between the commencement of germination and the formation of the first true leaves. It is just then that the gardener should aid in securing favourable conditions. These are:—

**First.**—A proper and constant degree of moisture. The soil should always be moist, never wet.

**Second.**—A proper degree of heat, generally secured by sowing the seed when the temperature of the soil is that most favourable to the germination of the seed of that particular class.

**Third.**—Covering the seed to such a depth that while a uniform degree of heat and moisture is preserved, the necessary air can readily reach the germinating seed,

and the tiny stem pushes the forming leaves into the light and air. This depth varies with different seeds and the condition of the soil, and can only be learned from practical experience. In general, seeds the size of the turnip should not be covered with more than half-an-inch of earth pressed down, while beans may be an inch to two inches in depth.

**Fourth.**—Such a condition of soil that the ascending stem can easily penetrate it and the young roots speedily find suitable food. This can usually be secured by thorough preparation of the ground, and taking care never to sow fine seed when the ground is wet. Occasionally a heavy or long-continued rain followed by a bright sun will so bake and crust the surface that it is impossible for the young plant to find its way through it, or a few days of strong wind will so dry the surface that the young plants will be killed. In such cases the only remedy is to plant again.

**JUDICIOUS CULTIVATION.**—Not only should every weed be removed as soon as it appears, but the crust which forms after a rain should be broken up and the ground stirred as soon as it is dry enough to permit it. The more frequently the soil is stirred while the plants are young the better, but as they develop and the roots occupy the ground, cultivation should be shallower until it becomes a mere stirring of the surface. A very small garden, well cultivated and cared for, will give larger returns and be in every way more satisfactory than a much larger one poorly prepared and neglected.

---

## *Our "Post Free" Cash with Order Collections.*

"These collections are well known." "They need no recommendation." "Your selection is our selection."  
"Without extra charge."

### Vegetables.

**5s. COLLECTION** contains 12 Sixpenny Packets.

**15s. COLLECTION** contains 40 Sixpenny Packets.

**10s. COLLECTION** contains 24 Sixpenny Packets.

**20s. COLLECTION** contains 56 Sixpenny Packets.

### Flowers.

**5s. COLLECTION** contains 12 Packets. Choice Perennials and Annuals.

**10s. COLLECTION** contains 25 Packets. Choice Perennials and Annuals.

**15s. COLLECTION** contains 40 Packets. Choice Perennials and Annuals.

**Choice Collections of Seeds** suitable for rockery work from 5s. to 10s.

Cash must accompany all orders for our "Post Free Collections."



## Vegetable Growing at a Glance.

| CROP.                    | Time for sowing.        | Average time for seedlings to appear. | Average time for crop to mature. | Seed required.                          |
|--------------------------|-------------------------|---------------------------------------|----------------------------------|-----------------------------------------|
|                          |                         | Days.                                 |                                  |                                         |
| Artichoke, Globe ... ..  | September to December   | 20 to 25                              | 12 months                        | 1 oz. for bed of 3 sq. yds.             |
| Artichoke, Jerusalem ... | July and August         | 10 to 20                              | 6 to 7 months                    | 10 lbs. tubers for row 100 ft.          |
| Asparagus ... ..         | Sept.-Oct. or Feb.-Mar. | 20 to 30                              | 3 years                          | 1 oz. for bed of 3 sq. yds.             |
| Beans, Broad ... ..      | February to April       | 5 to 10                               | 16 weeks                         | 1 lb. for row of 100 ft.                |
| Beans, Lima ... ..       | September to December   | 5 to 10                               | 16 weeks                         | 1 lb. for row of 100 ft.                |
| Beans, Runner ... ..     | September to March      | 5 to 10                               | 16 weeks                         | 1 lb. for row of 100 ft.                |
| Beans, Dwarf French ...  | August to March         | 4 to 8                                | 10 to 12 weeks                   | 1 lb. for row of 100 ft.                |
| Beet ... ..              | All year round          | 7 to 10                               | 18 weeks                         | 2 ozs. for row of 100 ft.               |
| Borecole ... ..          | January to April        | 5 to 10                               | 16 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Broccoli ... ..          | February and March      | 12 to 14                              | 24 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Brussels Sprouts ... ..  | December to March       | 5 to 10                               | 20 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Cabbage ... ..           | All year round          | 5 to 10                               | 12 to 20 weeks                   | 1 oz. for bed of 8 sq. yds.             |
| Chicory ... ..           | October to December     | 10 to 15                              | 22 weeks                         | 1 oz. for row of 100 ft.                |
| Chervil ... ..           | August to December      | 8 to 10                               | 8 weeks                          | 1 oz. for bed of 12 sq. yds.            |
| Carrot ... ..            | All year round          | 12 to 18                              | 15 weeks                         | 1 oz. for row of 100 ft.                |
| Cardoon ... ..           | September to February   | 10 to 20                              | 20 weeks                         | 1 oz. for bed of 10 sq. yds.            |
| Cress ... ..             | All year round          | 4 to 6                                | 2 to 3 weeks                     | 1 oz. for bed of 2 sq. yds.             |
| Capsicum (Chili) ... ..  | September to December   | 7 to 12                               | 16 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Cauliflower ... ..       | November to March       | 5 to 10                               | 22 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Celery ... ..            | September to February   | 10 to 20                              | 24 weeks                         | 1 oz. for bed of 12 sq. yds.            |
| Corn, Sweet ... ..       | September to January    | 7 to 12                               | 9 weeks                          | 1 lb. for row of 100 ft.                |
| Corn, Salad ... ..       | February to April       | 10 to 12                              | 7 weeks                          | 1 oz. for row of 80 ft.                 |
| Cucumber ... ..          | September to December   | 6 to 10                               | 10 weeks                         | —                                       |
| Egg Plant ... ..         | September to December   | 7 to 12                               | 16 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Endive ... ..            | January to May          | 8 to 10                               | 12 weeks                         | 1 oz. for bed of 10 sq. yds.            |
| Herbs ... ..             | September to December   | —                                     | —                                | —                                       |
| Kohl Rabi ... ..         | March to August         | 5 to 10                               | 18 weeks                         | $\frac{1}{2}$ oz. for row of 100 ft.    |
| Leek ... ..              | September to March      | 8 to 12                               | 20 to 24 weeks                   | 1 oz. for row of 100 ft.                |
| Lettuce ... ..           | All year round          | 6 to 8                                | 8 weeks                          | 1 oz. for bed of 10 sq. yds.            |
| Mustard ... ..           | All year round          | 3 to 5                                | 2 to 3 weeks                     | 1 oz. for bed of 1 sq. yd.              |
| Melons, Sweet ... ..     | July to September       | 6 to 10                               | 16 weeks                         | —                                       |
| Melons, Water ... ..     | July to September       | 6 to 10                               | 16 weeks                         | —                                       |
| Okra ... ..              | September to December   | 7 to 12                               | 12 weeks                         | $\frac{1}{2}$ oz. for bed of 5 sq. yds. |
| Onion (Garden Sorts) ... | All year round          | 10 to 18                              | 24 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Onion (Field Sorts) ...  | January to March        | 10 to 18                              | 24 weeks                         | 2 lbs. in bed will trans. acre.         |
| Parsley ... ..           | Aug.-Oct. and Feb.-Mar  | 26 to 30                              | 16 weeks                         | 2 ozs. for row of 100 ft.               |
| Parsnip ... ..           | September to April      | 12 to 20                              | 18 weeks                         | 1 oz. for row of 100 ft.                |
| Peas ... ..              | All year round          | 6 to 10                               | 12 to 16 weeks                   | $1\frac{1}{2}$ lbs. for row of 100 ft.  |
| Pumpkin ... ..           | September to December   | 6 to 12                               | 18 weeks                         | —                                       |
| Potatoes (Tubers) ... .. | All year round          | 10 to 15                              | 12 to 16 weeks                   | 10 lbs. for row of 100 ft.              |
| Rhubarb (Seed) ... ..    | September to December   | 10 to 18                              | 4 months                         | 1 oz. for bed of 10 sq. yds.            |
| Radish ... ..            | All year round          | 3 to 6                                | 4 weeks                          | 1 oz. for bed of 3 sq. yds.             |
| Salsafy ... ..           | September to February   | 15 to 20                              | 18 weeks                         | 1 oz. for row of 100 ft.                |
| Scorzonera ... ..        | September to February   | 15 to 20                              | 18 weeks                         | 1 oz. for row of 100 ft.                |
| Sea Kale ... ..          | September to November   | 20 to 30                              | 18 months                        | 1 oz. for bed of 5 sq. yds.             |
| Shallots (Seed) ... ..   | September to March      | 10 to 18                              | 24 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Spinach ... ..           | All year round          | 6 to 8                                | 8 weeks                          | $1\frac{1}{2}$ ozs. for row of 100 ft.  |
| Squash ... ..            | September to January    | 6 to 10                               | 16 weeks                         | —                                       |
| Tomato ... ..            | August to March         | 6 to 12                               | 14 weeks                         | 1 oz. for bed of 8 sq. yds.             |
| Turnip (Garden) ... ..   | March to September      | 4 to 8                                | 9 weeks                          | 1 oz. for row of 100 ft.                |
| Vegetable Marrow ... ..  | September to January    | 6 to 10                               | 16 weeks                         | —                                       |

The times for sowing, as stated above, are correct in a general way, but may be modified according to the planter's experience or knowledge of his local climatic conditions. These conditions vary so much in Rhodesia that it is not practicable in this matter to lay down hard and fast rules to be observed all over the country.

**Full cultural directions are given on the following pages under the respective headings.**

**SEE "OUR GUARANTEE" PAGE 2.**



## *Novelties and Specialities in Vegetable Seeds.*



**Dwarf French Bean, "Sharpe's Goliath."**

### **Bean.**

**DWARF FRENCH, "CANADIAN WONDER" (Re-selected).**—This is the finest early long-podded variety; the seeds are finer and more distinctly kidney-shaped than the old variety. An immense

cropper, producing fine long pods in great profusion. Pkt. 1s.

**DWARF FRENCH, "SHARPE'S GOLIATH."**—The largest podded and most prolific Kidney Bean in cultivation. Pods thick and fleshy, and continues in bearing for a long period. Pkt. 1s.



*Novelties and  
Specialities in  
Vegetable  
Seeds.*



**Up-to-Date Cabbage.**



**Lincoln Gem Carrot.**

**Beet.**

**"THE COOPER TABER."**—The best of the round deep crimson varieties, early, clean growing, with small mouse-tail root and of the most excellent flavour. Pkt. 6d., cz. 1s. 6d.

**Cabbage.**

**"UP-TO-DATE."**—A fine main crop variety, forming large and very solid ball-shaped heads with few outer leaves. Will stand a long time before splitting, and is an ideal variety for market gardeners. Pkt. 1s., oz. 2s. 6d.

**"COOPER'S FIRST."**—This conical shaped cabbage possesses all the merits of extreme earliness, compact habit, fine quality; equally valuable for market grower or private gardener. Pkt. 1s., oz. 2s.

**Carrot.**

**"LINCOLN GEM."**—The Perfection Carrot for early use, handsome neat roots, blunt at the point, of exquisite quality and scarcely any core. Pkt. 1s., oz. 2s. 6d.

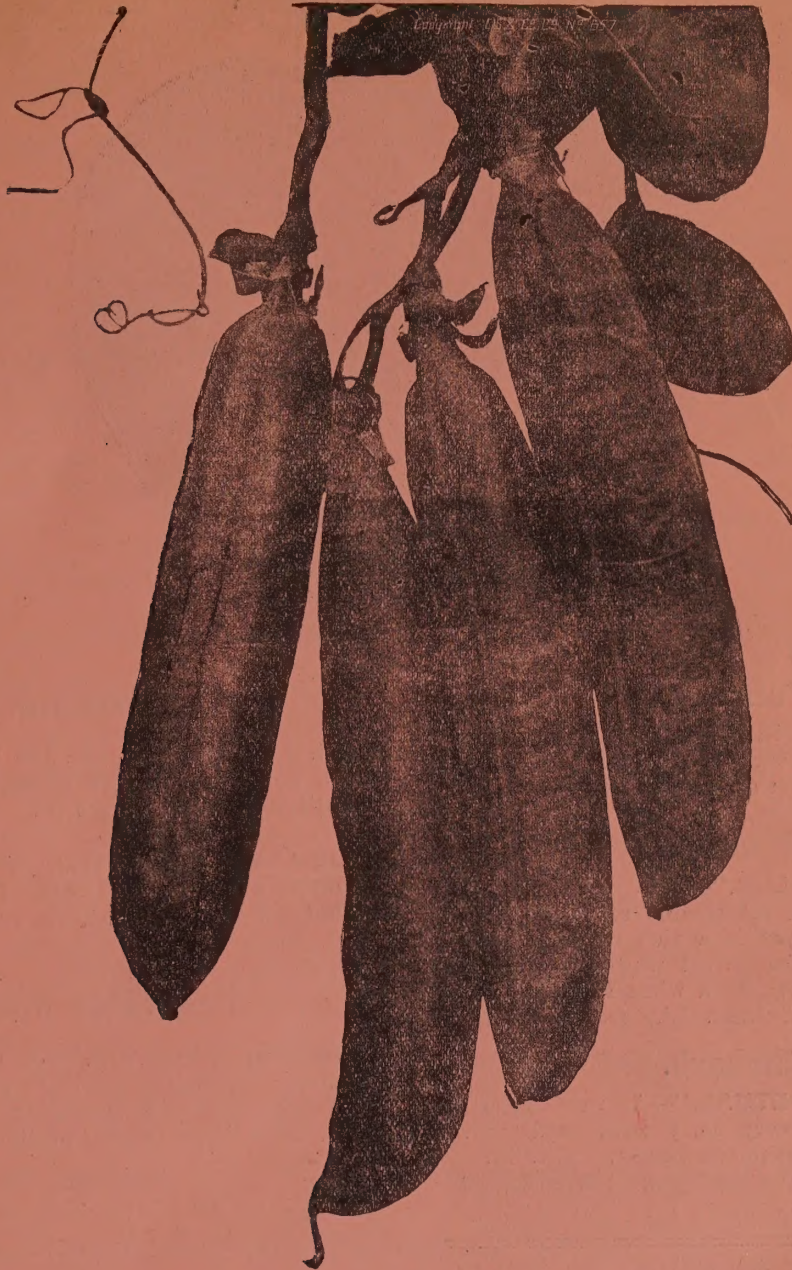
**Cauliflower.**

**"BEST OF ALL."**—Undoubtedly the best variety for general use; reaches maturity quickly. Very handsome, with heads of tremendous size and depth. A distinct long standing variety. Pkt. 1s.

**Lettuce.**

**"ALEXANDRA WHITE COS."**—The largest and sweetest self-folding Cos Lettuce. Of medium green colour, producing a firm crisp heart, quicker than other sorts. Pkt. 6d., oz. 2s.





**"Sharpe's Onward" Pea.**

### Lettuce.

**"LONG STANDING" (Kelway's).**—This crisp and curly heading variety stands the longest before going to seed; medium green, very slightly tinged brown head, which is white inside. Pkt. 6d., oz. 2s. 6d.

### Onion.

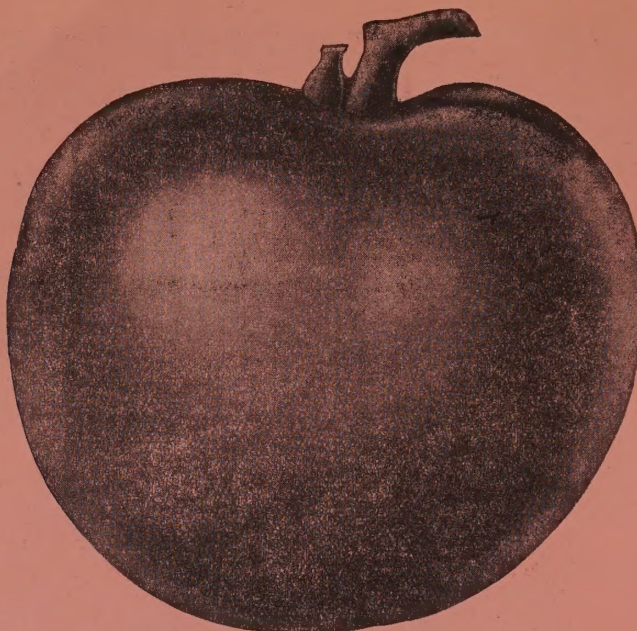
**"CRANSTON'S EXCELSIOR" (Re-selected).** — "The Exhibition Onion," very large and handsome, of mild flavour and excellent keeping qualities. Pkt. 1s., oz 3s.

### Pea.

**"SHARPE'S ONWARD."**—This new dwarf prolific Pea has proved to be the heaviest cropping variety yet introduced, vigorous and strong. The pods hang mostly in pairs and are filled with peas of very sweet flavour. Pkt. 1s.

**"SHARPE'S RENOWN."**—An early marrowfat variety, bearing a heavy crop of large deep green curved pods. The flavour is delicious, while the pods are mostly borne in pairs; height, 3 feet. Pkt. 1s.



*Bide's Recruit Tomato.***Pumpkin.**

**"GOLDEN CROOKNECK."**—The ideal garden pumpkin; matures early and keeps well into the winter months. Flesh rich golden yellow. Pkt. 6d., oz. 1s. 6d.

**Radish.**

**"COOPER'S SPARKLER."**—This popular variety has now superseded all strains of White Turnip Radishes. The colour is a rich carmine, with a very large tip of the purest white; grows very rapidly, and the roots, even when fully developed, are solid and sweet. Pkt. 6d., oz. 1s. 6d.

**Rhubarb.**

**"GLASKIN'S PERPETUAL."**—A new type of Rhubarb; matures very early from seed, scarlet in colour and a continuous bearer. Pkt. 1s.

**Tomato.**

**"BIDE'S RECRUIT."**—A fine Tomato of medium size, good form, a free setter, perfect colour and quality. Pkt. 1s., oz. 4s. 6d.

**"ESSEX WONDER."**—This is a distinct variety, producing trusses of fruit of excellent quality. Plants are hardy, robust and heavy croppers. Pkt. 1s.

**Vegetable Marrow.**

**"FELTHAM PROLIFIC."**—A high class marrow, combining the good qualities of both the running and bush varieties, maturing earlier than the bush type and more prolific. Pkt 1s., oz. 2s. 6d.

**"HARBAS"**

*The best Spray Oil for all fruit trees, vegetables, plants, etc.*

For Prices see page 59.



## Vegetable Seeds.

### Artichoke.

Sow from September to early December in well prepared seed beds, and when about 4 inches high transplant to permanent quarters in rows of 4 feet apart and 18 inches between the plants. The **Globe Artichoke** will remain in bearing for three years. The part eaten is the flower head. A new bed should be sown every two or three years. Soak the seeds before sowing.

**GREEN GLOBE**, fine thick fleshy head, with long spiny scales. Pkt. 6d., oz. 2s.

**PURPLE GLOBE**, the much esteemed French variety; turns purple when mature. Pkt. 6d., oz. 2s.

**JERUSALEM (TUBERS)**.—These can be sent out only during July and August, and should be planted immediately they arrive, the ground having previously been well dug and manured. Place the tubers in rows 3 inches deep, 1 foot apart in the rows, and 3 feet between rows. Dig as required as soon as the tops begin to die off.

**WHITE GIANT**, the best variety, per lb. 6d., per 100lbs., 30s.

Tubers of the Jerusalem Artichoke are most perishable in transit, and country orders are sent only at customer's risk and when cash accompanies order.

### Asparagus.

Sow in September or October, February or March, in good rich soil, having previously for 24 hours soaked the seeds. As the plants are to remain in the seed beds for a year, sow in drills 18 inches apart, covering the seeds to a depth of 2 inches. In the following spring remove to permanent beds, where they are planted in rows 8 inches deep, 3 feet apart and 18 inches between the plants. A good dressing of salt will be found beneficial. This most delicious vegetable should be more generally grown in Rhodesia.

**CONNOVER'S COLOSSAL**, grows to an immense size, very thick and fleshy. Pkt. 6d., oz. 1s. 6d.

**PURPLE ARGENTEUIL**, one of the earliest and best varieties; grown extensively in the Cape. Pkt. 6d., oz. 1s. 6d.

### Beans (Broad).

Sow from February to April in rows 3 feet apart and 12 inches between the seeds; drop the beans 3 inches deep. After flowers have opened on 1 foot stem, pinch off the tops.

**BROAD WINDSOR**, the largest and best bean in cultivation; of first-rate flavour. Pkt. 6d., lb. 1s. 6d.

**CONQUEROR (SHARPE'S)**, the best long podded variety; pods 12-15 inches long, more prolific than the older varieties. Pkt. 6d., lb. 2s.

### Beans (Runner).

Sow from September to February against a fence or poles 10 feet high for the plants to climb upon. Rows should be 4 feet apart and the plants at least 12 inches apart.

**SCARLET EMPEROR**, produces immense pods of most delicate and excellent flavour. Pkt. 6d., lb. 2s. 6d.

**BEAUTY (SHARPE'S)**, very prolific, long fleshy pods of delicious flavour. Pkt. 1s.

**"THE WONDER,"** without doubt the finest variety for growing as a dry or cooking bean, vigorous climber, producing pods containing 6 to 8 beans, which when boiled are delicious. The beans are large, and the pods are produced in profusion; equally suitable for summer or winter use. Pkt. 1s.

### Beans (Dwarf French).

A small early sowing may be made about the middle of August, where protection can be given should late frosts occur. The main plantings should start from September and be continued at intervals of two to three weeks until March, in rows 2 feet apart and 4 inches between each plant.

**BURPEE'S IMPROVED STRINGLESS**, the well-known variety; very little preparation required for table; excellent quality. Pkt. 6d., lb. 2s. 6d.

**CANADIAN WONDER**, popular variety, hard to beat for general purposes. Pkt. 6d.

**GOLDEN BUTTER**, the finest yellow-pod bean known. Pkt. 6d., per lb. 2s. 6d.

**NATAL SUGAR**, a heavy cropper; pods seldom get stringy. Pkt. 6d.

**WHITE HARICOT**, a specially selected strain grown exclusively for us. Pkt. 6d.

### Beans (Bush Lima).

Sow September to December as Broad Beans, with eye down. The beans are shelled when half or fully grown; cooked and served with butter, the flavour is delicious.

**CHAMPION IMPROVED**, a dwarf; very productive and earlier form of this well-known bean. Pkt. 6d., lb. 3s. 6d.

### Borecole, Kale or Curled Greens.

A delicious vegetable, even superior to the Cabbage for autumn and winter use. Sow from January to April in seed beds, transplanting when large enough into rich soil liberally manured, in rows 2 feet apart and 18 inches between the plants.

**EXTRA CURLED SCOTCH** (Re-selected), semi-dwarf, densely curled, deep green, very hardy. Pkt. 6d., oz. 1s. 6d.

### Brussels Sprouts.

Sow in beds from December to March, and transplant in rows 2 feet apart, allowing 18 inches between each plant. The plant does best in a cold locality, and the flavour is improved by frost.

**MATCHLESS**, strongly recommended; the growth is robust, and the stems are covered with compact sprouts of excellent flavour. Pkt. 6d., oz. 1s. 6d.



## Beet.

Sowing may be made at any time of the year. A deep, free and rather light soil is most suitable for Beet, provided it is enriched with well-rotted manure (fresh manure is likely to produce forked and ill-shaped roots). Sow the seed thinly in rows 18 inches apart and thin out to 8 to 9 inches apart.

**CRIMSON GLOBE**, an excellent early globular variety; roots are of perfect shape and free from coarseness. Pkt. 6d., oz. 1s.

**EGYPTIAN (CROSBY'S)**, extra early, bright coloured flesh, keeps well. Pkt. 6d., oz. 1s.

**ECLIPSE**, early, flattish round, flesh bright scarlet, dwarf top. Pkt. 6d., oz. 1s.

## Cabbage.

The Cabbage is one of the most important vegetable crops we have, and by a judicious selection of varieties can be had all the year round. The secret to grow hardy plants is to thoroughly prepare the soil in the plant bed. Loosen the soil to a depth of 8 to 10 inches, pulverise the surface well, and sow the seed in drills. In about six weeks, or as soon as the plants are strong enough, transplant into well-cultivated and manured soil in rows 2½ to 3 feet apart and 18 inches to 2½ feet between the plants, according to type. Constant hoeing is of great importance, and soil should be drawn up to the stem.

### EARLY VARIETIES.

Maturing in 3-4 months.

**CAPE SUGAR LOAF (SPITZKOOL)**, the ideal conical variety for our climate. Our seed is saved from selected plants only; highly recommended. Pkt. 6d., oz. 2s.



**Crimson Globe Beet.**

**PRAGNELL'S EXHIBITION**, large handsome root, flesh deep in colour and of excellent quality. Pkt. 6d., oz. 1s. 6d.

**BELL'S NON-BLEEDING**.—The ordinary red beet requires most careful handling during lifting, but this variety retains its deep colour, even though cut into pieces before cooking. Pkt. 6d., oz. 1s. 6d.

**PERPETUAL** or **SPINACH**, grown exclusively for the tops, which are cooked and eaten like spinach; also an excellent green food for poultry. Pkt. 6d., oz. 1s.

**SILVER** or **SEA-KALE**, very bushy top, with abnormally developed mid-ribs of the leaves. These form a substitute for Sea-Kale; also recommended as a green food for poultry. Pkt. 6d., oz. 1s.

**EARLY JERSEY WAKEFIELD**, a high-class cabbage with blunt conical heads. Pkt. 6d., oz. 1s. 6d.

**EARLY YORK (CONICAL)**, extra early market variety, small but firm heads of excellent quality. Pkt. 6d., oz. 1s. 6d.

**EARLY OXHEART**, early conical variety, dwarf, thick leaved, short blunt head. Pkt. 6d., oz. 1s. 6d.

**BURPEE'S ALLHEAD**.—This early drumhead variety is very short stemmed, and has few spreading leaves; quality first-class. Pkt. 6d., oz. 1s. 6d.

### MAIN CROP VARIETIES.

Maturing in 4-5 months.

**BURPEE'S SUREHEAD**, one of the most popular and profitable main crop varieties of drumhead type. Pkt. 6d., oz. 1s. 6d.

**ENFIELD MARKET**, large solid conical head, equally good for field or garden. Pkt. 6d., oz. 1s. 6d.





**Cape Sugar Loaf**

**BRUNSWICK (FOTTLERS)**, short stemmed drumhead variety, very large and firm heads. Pkt. 6d., oz. 1s. 6d.

**GLORY OF ENKHUIZEN**, one of the best all-round drumhead varieties, does not bolt readily. Pkt. 6d., oz. 1s. 6d.

**RED DRUMHEAD**, one of the best for pickling. Pkt. 6d., oz. 1s. 6d.

**CHINESE CABBAGE (PE-TSAI)**, a most valuable addition to the vegetable garden, but more useful as a poultry green food; highly recommended. Pkt. 6d., oz. 1s. 6d.

For Field Varieties, see page 46.

## Carrot.

Carrots prefer deep sandy soil, not recently manured. Sow throughout the year in drills 15 inches apart and about 1 inch deep. Thin out to 3 inches apart when the plants are very young, and when grown large enough for cooking, thin again.

**OXHEART or GUERANDE**, one of the earliest stump-rooted varieties, flesh very delicate and sweet. Pkt. 6d., oz. 1s.

**EARLY NANTES IMPROVED**, stump-rooted variety, short foliage, very little core, beautiful quality. Pkt. 6d., oz. 1s.

**CHANTENAY**, rather short and thick, stump-rooted, fine quality and good colour. Pkt. 6d., oz. 1s.

**INTERMEDIATE, JAMES' SCARLET**, selected stock, long pointed root, suitable for field or garden cultivation. Pkt. 6d., oz. 1s.

**ST. VALERY**, a very long intermediate, pointed root, clear skin, bright red colour, excellent quality. Pkt. 6d., oz. 1s.

For Field Varieties, see page 45.

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**WE GUARANTEE** our Seeds to be imported direct from the most reliable expert seed growers in the trade; fresh, and of the best quality obtainable.



**James' Scarlet Intermediate.**

**Chantenay.**

**St. Valery.**



## Cauliflower.

Do not sow before November and not later than the end of March, otherwise good heads cannot be expected. Sow in beds as with Cabbage, and transplant when 6 inches high, in rows  $2\frac{1}{2}$  feet apart, allowing  $1\frac{1}{2}$  to 2 feet between each plant, according to the variety. If Cauliflower plants once get a severe check they will never produce fine heads. Cauliflowers should never follow a Cabbage crop nor be grown two seasons following on the same land. When the flower is forming, break a few of the larger leaves and bend them over the head; this excludes the fierce rays of the sun and keeps the head pure and white. Copious watering during dry weather is most essential.

**SNOWBALL (HENDERSON'S)**, the earliest maturing variety, ready in three months; excellent quality. Pkt. 1s., oz. 3s.



**Autumn Giant (Veitch's) Cauliflower.**

**AUTUMN GIANT (VEITCH'S EARLY)**, the well-known market variety, magnificent snow white firm heads; matures in four months. Pkt. 6d., oz. 2s.

**AUTUMN GIANT (VEITCH'S)**, tested seed, the best market variety, large, fine white heads of superfine quality, matures in five months. Pkt. 6d., oz. 2s.

**EARLY LONDON**, a fair sized maincrop variety, maturing about 5 months. Pkt. 6d., oz. 2s.

**ECLIPSE (SELECTED)**, magnificent white heads, exceptionally firm; maturing in 4 months. Pkt. 1s., oz. 3s.

## Cardoon.

**SPANISH**, similar to Celery, cultivated in the same manner; both stalks and roots are eaten when cooked the same as Celery. Pkt. 6d., oz. 1s. 6d.

## Chervil.

**GREEN CURLED**, a quick-growing aromatic plant, used for flavouring salads and garnishing. Pkt. 6d., oz. 1s. 6d.

## Chicory.

**BRUSSELS**, cultivation similar to Carrots, thick-rooted and broad leaved; stalks and ribs when blanched are used in salads and as a vegetable. Pkt. 6d., oz. 1s.

**LARGE MADGEBURG**, grown chiefly for sake of the roots, which, when sliced and dried, are ground up and used for adulterating coffee. Pkt. 6d., oz. 1s.

## Celery.

Sow in tins from September to the end of February. Keep shaded and continually moist. When about 2 inches high they should be pricked into prepared beds, placing them about 3 inches apart, and when they have grown to 5 or 6 inches, transplant to the prepared trenches. Open the trenches 18 inches wide and of a like depth: stack the soil on either side to be ready for drawing back into the trenches as the plants progress. In the bottom of trenches place about 6 inches of stable manure partially rotted, and fork it well into the soil. Cover



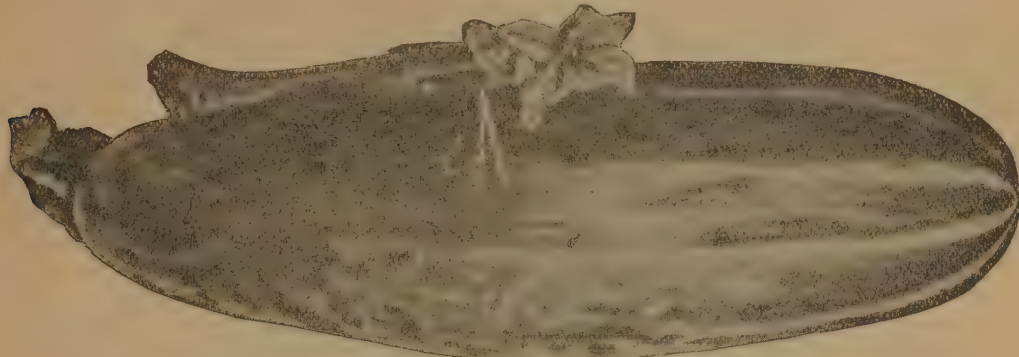
this with a couple of inches of the soil previously thrown out, and water copiously at night before planting; then carefully raise the plants from the seed bed and plant along the centre of the trench about 12 inches apart. Weed often and draw in soil as the plants advance, taking care that the hearts of the plants are not buried. When fully earthed-up, allow a further three or four weeks to thoroughly blanch.

**WHITE PLUME (IMPROVED)**, stalks, inner leaves and heart are white, which simplifies the blanching process. Pkt. 6d., oz. 1s. 6d.

**INVINCIBLE WHITE (DOBBIE'S)**, very large, solid, heads of magnificent quality; real exhibition variety. Pkt. 1s., oz. 2s. 6d.

**SELECTED RED (DOBBIE'S)**, choice strain, excellent for general use where red variety is required. Pkt. 1s., oz. 2s. 6d.

**CELERIAC** or **TURNIP-ROOTED**, develops, instead of the usual stalks, a broad, coarse root which is much esteemed as a vegetable for flavouring soups and salads. Pkt. 6d.



*Early White Spine (Improved) Cucumber.*

## Corn Salad.

**ITALIAN**, sow February to April in drills 6 inches apart, thin out to 6 inches between plants. Gather leaves as from Spinach. This vegetable comes in useful when Lettuce is scarce. Pkt. 6d., oz. 1s. 6d.

## Cucumber.

The first early sowing may be made in August, in a position where there is some shelter from frost and winds. The main sowings, however, should be made from September to December, in hills or circles 4 feet apart, three to four seeds in each hill. When the plants are strong and there is no danger of frost or insects destroying them, pull out the weakest plants, leaving one strong plant to each hill. Cucumbers require a deep rich, light soil, and an abundant supply of water.

**EARLY WHITE SPINE (IMPROVED)**, selected strain of the popular White Spine; it is most desirable for its extreme earliness and fine uniform fruits. Pkt. 6d., oz. 1s. 6d.

**SHORT PRICKLY** or **GHERKIN**, very vigorous grower; produces large quantities of small green fruits which are used for pickling. Pkt. 6d., oz. 1s. 6d.

**PAIN'S LONG RIDGE**, extra long, thick and fleshy fruit of superior quality. Pkt. 6d., oz. 2s.

**TELEGRAPH (ROLLISON'S)**, well-known market variety; one of the best for general cultivation. Pkt. 1s.

## Capsicum or Pepper.

Sow from September to December in beds, and when the plants are 3 inches high plant 2 to 3 feet apart; water and shade until they are established. The soil can hardly be too rich, but Chilies will thrive in any ordinary garden soil.

**CAYENNE**, long narrow scarlet, very hot. Pkt. 6d., oz. 1s. 6d.

**CHILI, RED**, small conical pods, very hot and pungent and used for seasoning. Pkt. 6d., oz. 1s. 6d.

**CHINESE GIANT**, immense fruits, very mild, of a glossy scarlet colour. Pkt. 6d., oz. 2s.

**GOLDEN DAWN**, large yellow, very mild. Pkt. 6d., oz. 1s. 6d.

## Cress.

Frequent sowings are necessary to ensure an unbroken succession of this popular salad.

**AMERICAN** or **LAND**, similar in appearance to Water Cress, but will grow in almost any kind of soil. Pkt. 6d., oz. 2s. 6d.

**EXTRA CURLED**, the well-known English variety. Pkt. 6d., oz. 1s.

**WATER CRESS**, sow in moist land or on a creek bank from September to January. Pkt. 6d., oz. 2s.

## Endive.

This vegetable is indispensable for the supply of salad-ing during autumn and winter. Sow at intervals from January to April, and thin out to 1 foot between each plant. The blanching is an important business and performed variously. Covering the heart of the plant with a plate or pot and tying in the manner usual to Lettuce is best. Endive must be watered in dry weather.

**AUTUMN GIANT**, the best variety for Rhodesia; very hardy, with thick fleshy leaves. Pkt. 6d., oz. 1s. 6d.

## Egg Plant.

This delicious vegetable should be grown in every garden. Sow from September to December in tins or boxes, and transplant when fit to handle in rows 2½ feet apart and 18 inches between the plants. Never allow plants to receive a check, as such will destroy their productivity.

**LONG PURPLE**, one of the earliest and most productive; fruit 8 to 10 inches in length and 2 to 3 inches thick; dark rich purple and of fine quality. Pkt. 6d., oz. 2s.

**ROUND PURPLE**, fruit large and round, of a rich dark colour, and very prolific. Pkt. 6d., oz. 2s.



## Kohl Rabi or Knol Kohl.

(Turnip-Rooted Cabbage.)

A fine vegetable only requiring to be known to be largely cultivated. It is grown for the root, which combines the flavours of the Turnip and the Cabbage. Sow throughout the year in drills 18 inches apart, thinning out to 6 inches between plants.

**IMPERIAL GREEN**, a re-selected stock and the best for table use; early; excellent quality. Pkt. 6d., oz. 1s. 6d.

## Leek.

Sow in prepared beds from September to March and transplant to heavily-manured ground in rows 15 inches apart and 8 inches between plants.

**MONSTROUS CARENTAN**, short stem, but very thick, and quite hardy. Pkt. 6d., oz. 1s.

**THE LYON**, favourite exhibition variety; large thick, solid and fine quality. Pkt. 6d., oz. 1s. 6d.

**SCOTCH MUSSELBURGH** (Selected), genuine Scotch saved seed, carefully selected and saved by an experienced grower. For thickness and flavour it is unexcelled. Pkt. 1s. and 2s. 6d.

**DRUMHEAD**, large-headed, somewhat loose, broad, coarse, pale green leaves; a good hot weather Lettuce. Pkt. 6d., oz. 1s.

**ICEBERG**, pale green, tinged brown, large solid white heart, of fine quality. Pkt. 6d., oz. 1s.

**WEBB'S WONDERFUL**, the ideal Lettuce for our climate, attractively curled pale green leaves, hearts quickly and is crisp and tender. Stands the hot weather well without bolting. Pkt. 6d., oz. 1s. 6d.

## COS VARIETIES.

**MAMMOTH**, a summer variety of great size; good for exhibition and general use. Pkt. 6d., oz. 1s. 6d.

**PARIS WHITE**, self-folding, very large, solid white heart; favourite market variety. Pkt. 6d., oz. 1s.

**TRIANON**, self-folding, fine hearts of superior quality. Pkt. 6d., oz. 1s.

**BALLOON**.—This variety has proved that it is without doubt the finest Cos variety. Very large white, highly recommended for market purposes. Pkt. 6d., oz. 1s. 6d.

**CHICKEN LETTUCE**, a high-class vegetable or poultry food, produces a plentiful growth of succulent green leaves. Pkt. 1s., oz. 3s. 6d.



**Webb's Wonderful Lettuce.**

## Lettuce.

With rich light soil and a supply of water these salad plants can be placed upon the table daily throughout the year. For transplanting during the rainy season, sow the seed in beds, and when fit to handle, plant out in rows 18 inches apart and 8 to 12 inches between the plants. During the dry season, when it is not safe to transplant, sow the seed in rows and thin out to the same distance. Ensure quick growth and fine quality by copious watering in dry weather.

## CABBAGE VARIETIES.

**ALL THE YEAR ROUND**, head round, compact and solid, pale green, tender and crisp. Pkt. 6d., oz. 1s.

**CONTINUITY**, distinct reddish-brown, very long standing and suitable for dry climates. Pkt. 6d., oz. 1s. 6d.

## Luffa.

**"THE SPONGE PLANT,"** a tropical climber, fruits are skinned and the fibrous interior used as a rough sponge; easily grown in the warmer districts. Pkt. 1s.

## Melon (Rock, Musk or Sweet).

Sandy loam is the most suitable, but in fair seasons they do well in any good garden soil. Sow five or six seeds in prepared hills 5 or 6 feet apart each way, eventually leaving only two of the best plants in each hill. The best time for sowing is July to September, giving protection from frost and cold nights.

**ROCKY FORD**, the flesh is deep and thick and light green in colour, flavour exceedingly fine, skin ribbed and thickly netted. Pkt. 6d., oz. 2s.

**BALTIMORE MARKET**, oval shaped, green flesh, excellent quality. Pkt. 6d., oz. 1s. 6d.



**EMERALD GREEN**, small, early, round, dark green skin, salmon red flesh. Pkt. 6d., oz. 1s. 6d.

**DEFENDER**, thin rind, slightly ribbed, fine grained, reddish orange flesh. Pkt. 6d., oz. 1s. 6d.

**LONG ISLAND BEAUTY**, the earliest and finest in quality; highly recommended for Rhodesia. Pkt. 6d., oz. 2s.

## Onion.

For green or salad purposes, sow at intervals of two months to maintain a constant supply. For field crops grown on irrigated lands, the seed is sown in beds from January to March. Sow in beds—1 ounce to 8 square yards. The raising of Onion Plants in the seed bed should be conducted with as much care and on the same



**Balloon Lettuce.**

## Melon (Water).

Culture as Sweet Melons, but sow July to September.

**ICE CREAM**, round, large, skin pale green, flesh white, delicious flavour. Pkt. 6d., oz. 1s. 6d.

**MAMMOTH IRONCLAD**, an enormous yielder, flesh red, solid and of excellent flavour, rind extremely tough, and makes this variety the most suitable for transporting long distances. Pkt. 6d., oz. 1s. 6d.

**TOM WATSON**, a splendid keeper, thin green rind, flesh deep red, crisp and melting. Pkt. 6d., oz. 1s. 6d.

**EARLY FORDHOOK**, extra early, good size, flesh red. Pkt. 6d., oz. 1s. 6d.

## Mustard.

This vegetable is nearly always used with Cress in Salads. They may be sown together or separately. To ensure a continuous supply throughout the year, sow a little every month.

**WHITE**, selected quality, very quick-growing. Pkt. 6d., oz. 1s.

## Okra or Gombo.

This vegetable is not much known here, but in India and America it is in general use for thickening soups and stews. Sow from September to December; cultivate the same as the Egg Plant. The pods are used while green and tender.

**"KLECKLEY'S FAVOURITE,"** the plants grow 2½ to 3 feet in height, close-jointed, pods are white, smooth and of the finest quality. Pkt. 6d., oz. 1s. 6d.

plan as the raising of Tobacco Plants. Transplant when as thick as a pencil, in raised drills 2 feet apart, 6 inches between the plants. When well established, withdraw the soil, leaving the bulbs sitting on the ground; the fibrous roots only should be in the soil. A sprinkling of lime and sulphur is beneficial.

### Special Quotations for Onion Seed by the pound on application.

**AILSA CRAIG**, large, globular, pale skinned; a really high-class variety for all purposes. Pkt. 6d., oz. 2s.

**BEDFORDSHIRE CHAMPION**, brown skinned, medium size, one of the best keepers. Pkt. 6d., oz. 2s.

**BROWN SPANISH**, somewhat irregular in shape and size, with coarse reddish brown skin. Pkt. 6d., oz. 2s.

**NATAL RED**.—"The favourite for Rhodesia." Our strain of this variety is saved from selected bulbs only, grown in Natal. Pkt. 6d., oz. 2s.

**YELLOW CAPE**, straw coloured bulbs of medium size; a first-class Onion for market purposes. Pkt. 6d., oz. 1s. 6d.

### SILVER-SKINNED VARIETIES.

**SILVER KING**, globular, quick-growing; grows to a fair size and keeps well. Pkt. 6d., oz. 1s. 6d.

**THE QUEEN**, very early, silver skin; one of the best for pickling. Pkt. 6d., oz. 1s. 6d.



## Parsley.

The seed takes about four weeks to germinate, and should be kept moist and shaded until the seedlings are well through the soil. Sowings should be made from August to October, and again in February and March. Sow in rows 18 inches apart and thin out to 6 inches between the plants. May also be raised in a seed bed and transplanted.

**CHAMPION CURLED**, the finest dwarf closely-curved dark green strain ever offered. Pkt. 6d., oz. 1s. 6d.

**DOBBIE'S EXHIBITION**, dwarf, compact, pale green and densely curled. Pkt. 6d., oz. 2s.

## MAIN CROP VARIETIES.

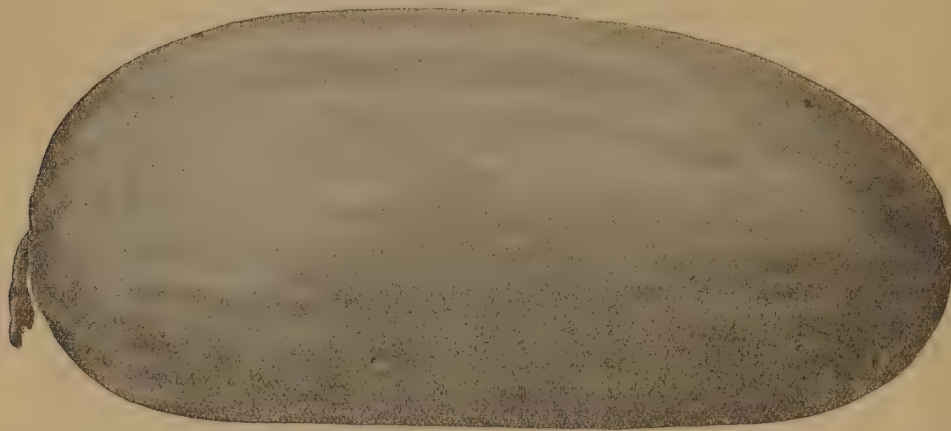
**DWARF DEFIANCE**, a useful dwarf Pea; requires no staking. Pkt. 6d., lb. 2s.

**UNION JACK**, bushy haulm, large handsome pods hanging in pairs; enormous cropper; height, 2½ feet. Pkt. 6d., lb. 2s.

**YORKSHIRE HERO (IMPROVED STOCK)**, a spreading dwarf marrowfat; highly recommended for summer crops. Pkt. 6d., lb. 1s. 6d.

**STRATAGEM (IMPROVED STOCK)**, a large podded marrowfat, pods containing 8 to 10 peas of a delicious flavour; height, 3 feet. Pkt. 6d., lb. 2s.

**FILLBASKET (RE-SELECTED)**, robust, vigorous and branching, pods long and curved, very prolific; height, 2½ feet. Pkt. 6d., lb. 2s.



**Tom Watson Melon (Water).**

## Parsnips.

Sow from September to April in rows 18 inches apart; thin out to 8 inches between the plants. The soil should be well and deeply worked. Parsnip seed not being a good keeper should be sown thickly, so as to ensure plenty of plants.

**HOLLOW CROWN (IMPROVED)**, a selected stock of Parsnip unrivalled for market purposes. Pkt. 6d., oz. 1s.

**THE STUDENT**, a medium-sized Parsnip of superior form and good quality. Pkt. 6d., oz. 1s.

## Peas.

Our imported Peas are grown by the best of English growers. All selected stocks and hand-picked. Marrowfat Peas are most successful when grown as a winter crop, and we recommend sowings at intervals of about a fortnight from February to April; they can, however, be grown with more or less success all the year round. Sow Peas single, about 2 inches apart and about 2 inches deep, in rows 2 feet apart. The following varieties are the most suitable for this country.

### EARLY VARIETIES.

**PETER PAN**, very early, dwarf, large podded; has proved a really first-class Pea for dry climates. Pkt. 6d., lb. 2s. 6d.

**ELDORADO**, early, dwarf, quite hardy, with large dark green pointed pods; only requires to be known to become popular. Pkt. 6d., lb. 2s. 6d.

**PILOT**, first early, with large deep green pods; a heavy cropper and good market Pea; height, 3 feet. Pkt. 6d., lb. 2s. 6d.

**VANGUARD**, a high-class early pea, proved value as a summer crop; height, 3½ feet. Pkt. 6d., lb. 2s. 6d.

### LATE VARIETIES.

**GLADSTONE**, one of the best late Peas, immense cropper, long curved deep green well filled pods; height, 3½ feet. Pkt. 6d., lb. 2s. 6d.

**SHARPE'S QUEEN (RE-SELECTED)**, immense cropper of delicious flavour, one of the choicest varieties for table use. Pkt. 6d., lb. 2s. 6d.

**BLACK-EYED SUSAN**, really a field Pea, but is a sure summer cropper; selected seed. 6d. per lb.

**SUGAR**, tall, edible podded; pods skinless when young; to be cooked whole. Pkt. 6d., lb. 2s. 6d.

## Pumpkin.

Sow from September to December in hills 8 feet apart, and five or six seeds in each. Thin out the weakest plants, leaving two or three of the strongest to each hill. Local Pumpkins get so badly hybridised that a change to imported seed every other year is essential.

**IRONBARK**, the best variety for Rhodesia, medium size, early, very productive and a splendid keeper; cannot be excelled as a table pumpkin. Pkt. 6d., oz. 1s.

**WINTER LUXURY**, beautiful golden yellow, very finely and closely netted like a Musk Melon; as a winter keeper it stands unrivalled. Pkt. 6d., oz. 1s. 6d.

**BOER**, a good variety for table use and stock-feeding, colour creamy buff; an excellent keeper. Pkt. 6d., oz. 1s.

**EARLY SUGAR**, small, finely grained fruits; does not keep long. Pkt. 6d., oz. 1s. 6d.

**GOLDEN OBLONG**, very hardy and productive. The flesh is light golden yellow, very rich and fine quality. Pkt. 6d., oz. 1s. 6d.



## Radish.

Sow all the year round, preferably in drills, and thin out as the plants grow. To be crisp and sweet, Radishes should be grown quickly and without a check, so it is necessary to water well in dry weather.

**FRENCH BREAKFAST**, very early short top, oval shaped, bright red with white tip. Pkt. 6d., oz. 1s.

**LONG SCARLET**, selected stock of the best long Radish in cultivation, pale rose or pink. Pkt. 6d., oz. 1s.

**LONG WHITE ICICLE**, earliest of the Long Whites; very fine quality. Pkt. 6d., oz. 1s.

**RED TURNIP**, round, pale red, flesh white, hardy; the best for general purposes. Pkt. 6d., oz. 1s.

**WHITE TURNIP**, round, slightly flattened, grows to large size, flesh firm and crisp. Pkt. 6d., oz. 1s.

## Salsafy (Vegetable Oyster).

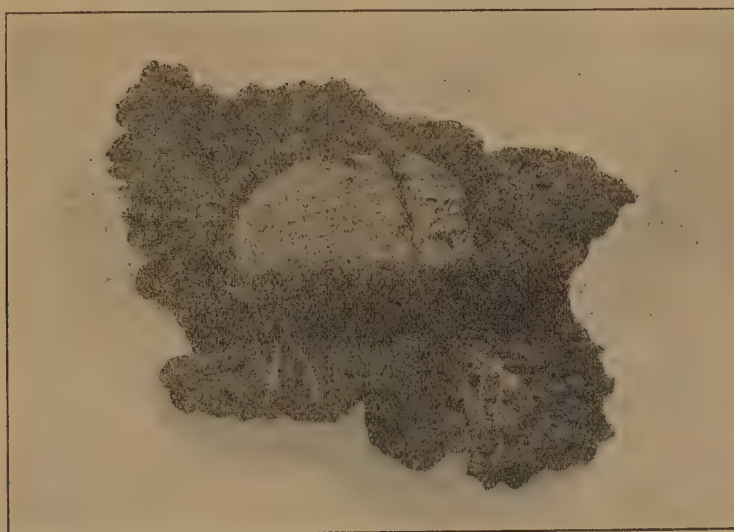
This delicious vegetable thrives well in our climate. The roots are used like Carrots or Parsnips, and they can be cultivated in exactly the same manner—that is, in drills at similar distances and similar soil. Sow from September to February.

**MAMMOTH SANDWICH ISLAND**, this grows to a uniformly large size, far excelling the old variety, as the leaves, which are larger and greener, may be used as a salad. Pkt. 6d., oz. 2s. 6d.

## Scorzonera.

Cultivate similar to Salsafy. The roots are boiled or stewed in the same way as Parsnips. A really delicious vegetable, only requiring to be better known in Rhodesia.

**LONG BLACK**. Pkt. 6d., oz. 2s. 6d.



*Green Curled Dwarf Savoy.*

## Rhubarb (seed).

Sow from September to February, in drills 18 inches apart and  $\frac{1}{4}$  inch deep. Thin out to 12 inches apart when 3 inches high. Second year transplant 4 feet apart in prepared beds, crown not to be more than 2 inches below surface. The first crop of stalks should not be pulled, but allowed to die down.

**VICTORIA (MYATT'S)**, late, red, stalks rather coarse looking, but of excellent quality. Pkt. 6d., oz. 1s. 6d.

**CRIMSON WINTER**, continuous bearer, producing long scarlet stalks. Pkt. 1s., oz. 5s.

For Rhubarb Roots, see page 20.

## Savoy Cabbage.

An excellent curled Cabbage; has a distinct flavour of its own. Is at its best during frosty weather and should be sown for a winter crop.

**GREEN CURLED DWARF**, dwarf spreading habit, deep green, finely crimped, excellent quality. Pkt. 6d., oz. 1s.

**GREEN CURLED, TALL**, deep green, medium size, closely curled. Pkt. 6d., oz. 1s.

## Sea Kale.

Sow from September to November in seed beds, and when yearlings, transfer plants to permanent beds. In preparing beds, they should be heavily manured and trenched 2 to 3 feet deep. An application of salt during December is very beneficial. Sufficient space must be left between rows and plants to allow weeding to be done without disturbing plants.

**LILY WHITE (IMPROVED)**, superior in colour and flavour to the older varieties. Pkt. 6d., oz. 2s.

## Spinach.

Sow in rows about 18 inches apart and thin out to about 9 inches. Good, rich soil is necessary to produce a succulent growth. May be grown practically all the year round.

**VICTORIA**, late, dark green glossy leaves; remains fit for use a long time. Pkt. 6d., oz. 1s.

**NEW ZEALAND**, a valuable variety for our climate; it produces an abundance of leaves during the summer months. Pkt. 6d., oz. 1s.

**MONSTROUS VIROFLAY**, a round seeded variety, with enormous dark green fleshy leaves; very productive and of excellent quality. Pkt. 6d., oz. 1s. 6d.



## Spinach Beet and Swiss Chard.

See Beet.

### Shallot (seed).

Sow in seed bed similar to Onions, and when 6 inches high transplant to well-dug ground, where if left they will produce numerous off-sets or bulblets, which can be used when required or kept to plant the following season.

**LARGE RED**, the common red variety; always a reliable cropper. Pkt. 1s., oz. 2s. 6d.

**SHALLOT BULBS**, large red. Per 100, 2s. 6d. Supplied all the year round.

## Squash and Vegetable Marrow.

These will grow to perfection anywhere, provided they have a deeply-worked soil. When danger of frost is over, sow five or six seeds in well-manured "hills." For the bush varieties, allow at least a space of 4 feet between each hill, and for the running varieties double that space. When the plants are strong, and not likely to be destroyed by insects, thin out, leaving two or three of the best to each hill. Main plantings are advised from September to December.



*Long White Bush Vegetable Marrow.*

### SUMMER VARIETIES.

**LONG WHITE BUSH**, the favourite English variety, skin smooth and creamy white; eaten before they are fully grown, when the flesh is tender. Pkt. 6d., oz. 1s. 6d.

**LONG GREEN BUSH**, similar to the foregoing variety, but skin dark green, with stripes of a still deeper shade. Pkt. 6d., oz. 1s. 6d.

**LONG WHITE, TRAILING**, a selected strain of this well-known variety; fruits grow to a large size; heavy cropper and hardy. Pkt. 6d., oz. 1s.

**LONG GREEN, TRAILING**, an improved stock, fruits very large, and of a dark green colour. Pkt. 6d., oz. 1s.

**MOORE'S CREAM**; this is a splendid variety, fruits smaller than Long White, skin smooth, very prolific and early. Pkt. 6d., oz. 1s. 6d.

**WHITE CUSTARD MARROW**, fruit beautiful waxy-white; very fine for table use; of dwarf habit and upright growth. Pkt. 6d., oz. 1s. 6d.

**GOLDEN CUSTARD MARROW**, similar to White Custard, but flesh is deep orange colour. Pkt. 6d., oz. 1s. 6d.

### WINTER VARIETIES.

**GOLDEN HUBBARD**, the old favourite; an excellent keeping variety; flesh deep golden yellow and finely grained. Pkt. 6d., oz. 1s. 6d.

**TURBAN**, this is a very fine variety, suitable for winter keeping, medium size, flesh thick, fine grained and bright yellow in colour. Pkt. 6d., oz. 1s. 6d.

## Strawberry (seed).

Seed sowing is resorted to for raising new varieties and for heightening the culture of the Alpine class. In our climate it is also the means of securing acclimatised plants at a small cost. Seed should be sown in tins of good sandy loam, and when plants are large enough to handle, prick out into tins or a sheltered bed. When they have thrown two or three leaves they can be placed in the fruiting bed. This last operation is best carried out in the spring. Our seed is saved from the finest varieties in commerce.

**CHAMPION FRUITED (MIXED)**, a carefully selected stock from all the well-known varieties. Pkt. 1s.

**RED ALPINE**, this is the best Alpine variety; fruit large and pointed in shape, flavour exquisite. Pkt. 1s. 6d.

## Sweet Corn

*(Table Maize or Sugar Mealies).*

Sweet Corn does not Germinate as vigorously as Field Mealies, so it should be sown more thickly.

This is a delicious vegetable, quite superior to the Field Corn when used as "Green Mealies" for the table. Plant from September to January, in rows 2 to 2½ feet apart and 1 foot apart in rows. Sweet Corn will succeed in any moderately rich garden soil. It should be hoed and hilled when about 1 foot high.

Successive plantings should be made every three weeks until end of January.



**GOLDEN BANTAM**, an early variety of Sweet Corn; cobs golden yellow colour; very sweet, rich and delicious beyond comparison. 6d. per oz.

**STOWELL'S EVERGREEN**, the standard variety; ears are long, filled with deep plump grains of the richest flavour, keeping green and tender longer than any other variety. 6d. per oz.

**BLACK MEXICAN**, medium early variety, ears eight inches long, well filled with bluish-purple grains, sweetly flavoured. 6d. per oz.

**COUNTRY GENTLEMAN**, a very productive variety with large ears and irregularly placed slender deep grains, reliable market variety. 6d. per oz.

## Pop Corn.

Culture same as Sweet Corn. Allow the cobs to ripen thoroughly, and then roast the grains in a close iron vessel until they "pop," shaking the vessel meantime. The "Pop Corn" is then taken out and is slightly dusted with sugar flour, when it forms a delicious sweet.

**GOLDEN QUEEN**, large yellow cobs, pops perfectly white. 6d. per oz.

**WHITE RICE**, the earliest and best for Rhodesia. 6d. per oz.

## Tomatoes.

The first early sowing, in a sheltered spot, may be made in August, and the main sowings from September to April. Sow in seed beds and transplant when 6 inches high to their permanent quarters. The rows should be at least 4 feet apart and plants placed 3 feet apart in the rows. The Tomato will thrive in almost any garden soil, but if the best results are desired it should be planted in deep rich soil.

**SUNRISE**, very early, smooth round medium sized; heavy cropper. Pkt. 6d., oz. 3s.

**COOPER'S FIRST**, a high-class smooth skinned variety, exceptional quality. Pkt. 1s., oz. 2s. 6d.

**PEAR-SHAPED RED**, fruit the size of a small pear, vigorous grower, very productive and keeps well. The fruits are borne in bunches of from 10 to 15. Pkt. 1s.

**PEACH**, an early maturing variety; fruit round, small, pink in colour, and produced abundantly in long clusters. Recommended for bottling. Pkt. 1s.

**GOLDEN QUEEN**, fruit large, smooth and symmetrical, of a beautiful golden yellow, and superior flavour. Pkt. 1s.

**PERFECTION**, main crop variety; fruit large, round and of a pleasing scarlet colour; very seldom throws badly shaped fruits. Pkt. 6d., oz. 2s. 6d.

**PONDEROSA**, fruit of an enormous size, rose coloured; very suitable for cooking purposes. Pkt. 6d., oz. 2s. 6d.

**UP-TO-DATE**, a good variety of medium size, very free setter; well recommended. Pkt. 6d., oz. 2s. 6d.

## Turnip (Garden).

The seed may be sown broadcast or in a drill, the latter way being the best. The drills should be about 18 inches apart. When the young plants are about 2 inches high they should be thinned to about 8 inches from plant to plant. Sow very thinly and keep the surface of the soil in a loose state. They can be had all the year round by successive sowings, but should not be sown during the height of summer.

**GOLDEN BALL**, almost globular, rich yellow skin and flesh, good flavour and keeps well. Pkt. 6d., oz. 1s.

**MILAN, EARLY WHITE**, the earliest turnip in cultivation, white skin and flesh, very short strap-leaf top. Pkt. 6d., oz. 1s.

**MILAN, PURPLE TOP**, similar to Early White, except that it has a purple top. Pkt. 6d., oz. 1s.

**RED GLOBE**, early round red-top white; grows to a good size. Pkt. 6d., oz. 1s.

**SNOWBALL**, the best round white Turnip for garden use, of a snowy whiteness; flavour particularly delicate and melting. Pkt. 6d., oz. 1s.

**GARDEN SWEDE (WILLIAMS' SELECTED)**, this is a specially selected stock grown exclusively for us by our English growers; highly recommended. Pkt. 6d., oz. 1s.

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## Herbs.

**BORAGE**, used for flavouring claret cup, etc. Pkt. 6d.

**CARAWAY**, grown for its seeds, which are used for flavouring. Pkt. 6d.

**CORIANDER**, seeds used in the manufacture of liqueurs, etc. Pkt. 6d.

**DILL**, the seeds are used for a condiment and for flavouring purposes. Pkt. 6d.

**FENNEL**, used for garnishing and flavouring sauces. Pkt. 6d.

**HOREHOUND**, leaves used for seasoning and medicinal purposes. Pkt. 6d.

**LAVENDER**, grown for perfumery purposes, etc. Pkt. 6d.

**MARJORAM**, sweet, popular seasoning and flavouring plant. Pkt. 6d.

**MINT**, the well-known herb used so largely in culinary practice. Pkt. 1s.

**ROSEMARY**, used for domestic and distilling purposes. Pkt. 6d.

**SAGE**, well-known and popular seasoning herb. Pkt. 1s.

**TARRAGON**, delicately flavoured herb, used largely in Europe. Pkt. 1s.

**THYME**, broad-leaved English, used for seasoning; tea is also made for nervous headaches. Pkt. 1s.

Varieties not listed can be procured on application.

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**FOR WINTER FLOWERS**—Sow our Winter Flowering Sweet Peas. Unexcelled for length of stem and size of flowers. For list of varieties and colours see page 38.



## Small Fruit Seeds.

**AMATUNGULA** (*Carissa grandiflora*).—This useful hedge plant is perhaps better known as the Natal Plum. Seed sown during July produces plants ready for transplanting to permanent positions in early summer. Highly recommended for light soils. The ripe fruit makes a delicious jam similar in taste to red currant. Pkt. 1s.

**CAPE GOOSEBERRY** (*Physalis edulis*).—Sow seed in tins September to December, and when large enough, plant out in sheltered position; plants should stand 3 to 4 feet apart. Cut back old wood annually. Pkt. 6d.

**GRENADILLA** (*Passiflora edulis*).—This fruit-producing climber can be grown from seed, but cuttings can be easily rooted in sandy soil. Seed should be soaked in water, sown in tins and then transplanted. Pkt. 6d.

**GUAVA** (*Psidium*).—This hardy tree can be successfully grown from seed, but germination is slow and very irregular. Pkt. 6d.

**LOQUAT** (*Photinia*).—These are easily grown from seed, which must be thoroughly ripened, or germination will be slow. Pkt. 6d.

**PAW-PAW** (*Carica Papaya*).—Sow during spring in tins, and when large enough to handle, prick out. Care must be taken not to cut any of the roots, as this is fatal. Protect from sun until established; easily killed by frost when young; selected seed. Pkt. 1s.

**POMEGRANATE** (*Punica granatum*).—The fruiting variety is useful either as a hedge plant or specimen shrub. The double flowered variety makes a highly ornamental plant. This shrub is closely connected with Biblical history and is of remote antiquity. Pkt. 1s.

**ROSELLA** or **RUSSELLIA**.—Sow during early spring in tins or in a sheltered position, and transplant when large enough to handle. The Flower is used for making the delicious Rosella jelly. Pkt. 6d.

**TREE TOMATO** (*Cyphomandra*).—Sow in tins during winter; protect seedlings from frost and scorching sun; transplant during early wet season. Pkt. 1s.

## Culinary Plants and Roots.

The following prices are net for **Cash with Order only**. We do not send out perishables on the C.O.D. system.

**ARTICHOKE TUBERS**. See under Artichoke Seeds.

**ASPARAGUS PLANTS** (3 years old), per doz. 5s. 6d. Delivery, July to September.

**BORECOLE** or **KALE PLANTS**, per 100, 2s. 6d. Delivery, February to April.

**CABBAGE PLANTS**, only the leading varieties supplied. Per 100, 2s. 6d. Delivery at all seasons.

**CAULIFLOWER PLANTS**. Early and late varieties. Per 100, 2s. 6d. Delivery, December to April.

**CHO-CHO** or **SOU SOU**, climbing plant with fruit size of a Paw-Paw; used similar to Vegetable Marrow. Plants in tins, 2s. each.

**CELERY PLANTS**. Per 100, 3s. 6d. Delivery, November to March.

**LEEK PLANTS**. Per 100, 2s. 6d. Delivery, January to March.

**ONION PLANTS** (Natal Red, White Queen, Silver King). Per 100, 2s. 6d. Delivery, all the year round.

**RHUBARB ROOTS** (Victoria), two-year-old roots. Per doz., 12s. 6d. Delivery, July to September.

**SAVOY PLANTS**. Per 100, 2s. 6d. Delivery, March and April.

**SHALLOT BULBS**. Per 100, 2s. 6d.

**STRAWBERRY RUNNERS**, only the most suitable varieties supplied. Per 100, 7s. 6d. Delivery, August and March to May.

**SWEET POTATO**. See Root Crops, page 47.

**TOMATO PLANTS**, either in tins or from open ground. Per 25 (in tin) 2s., per 100 2s. 6d. Delivery, at all seasons.

**MUSHROOM SPAWN**.—A supply of Mushrooms can be had all the year round, with very little extra work. Mix equal quantities of well-rotted manure and good loam together, thoroughly soak with water, then break up the brick of Spawn into 10 or 12 pieces; place pieces in prepared soil 3 or 4 inches deep and 12 to 16 inches between. Cover up Spawn bed with straw or grass to conserve moisture, as moisture is the essential to success. Per brick, 2s. 6d.

Should plants be required to travel a long distance, special packing will be necessary to ensure safe delivery. For this a small extra charge will be made.

## Seed Potatoes.

**LOCALLY GROWN SEED**, first and second crop from imported. This can be supplied from June to November.

**IMPORTED SEED**.—We give this our special attention. All our imported seed comes from the north of Scotland. Our stocks are carefully selected and rogued whilst growing, and we can recommend each variety as being pure and true to type.

Delivery from December to January.

A list of varieties available, together with prices, will be published during October and November.



## Forest and Ornamental Tree Seeds.

Per Packet, 1s.

Tree seeds can be sown either in beds or half paraffin tins cut lengthways. Small seeds should have a light covering of finely sifted soil, well mixed with sand, then flatten the soil with a board, water lightly and cover with grass. Always keep the soil **moist**, not wet. As soon as the seed has germinated remove the grass; then a covering of muslin or grass should be raised over the beds or tins on bricks or short legs; this covering should be gradually removed so as to harden off the seedlings ready for planting out. Sterilisation of soil is very beneficial.

For transplanting during the rains sow Eucalyptus (Gums) seed during August and September, 4 oz. seed to a square yard. When 2 inches high prick out into tins or beds, pinch off the tap root and shade until established. 1 oz. seed will give 2,000-3,000 plants. Pines, Cupresses, etc., should be sown during March or April, as they are slower in germinating than Eucalyptus; 2 oz. seed to a square yard, prick out when large enough to handle. 1 oz. seed will give 600-800 plants.

Cedrela, Jacaranda, Grevillea and other kinds known to lose their germinating powers quickly must be sown when the seed is available. Acacias (Wattles) have very hard shells and may take months to germinate if not properly treated before sowing. Place seed in boiling water, leaving it there until cold; mix with three to four parts of sawdust and sow as soon as possible, as germination will commence quickly. Do not let the seeds get dry. 10-12 lbs. of seed per acre.

Those marked \* are most suitable for high veld.  
 „ „ † „ „ sand or dry veld.  
 „ „ ‡ „ „ vleis.

- \***ACACIA NORMALIS** (Green Wattle).
- MOLLISSIMA** (Black Wattle).
- DEALBATA** (Silver Wattle).
- MELANOXYLON** (Blackwood).
- PYROCANTHA** (Golden Wattle).
- CALLITRIS CALCARATA**.
- ROBUSTA**.
- CALLISTEMON SPECIOSUS** (Bottlebrush).
- \***CASUARINA LEPTOCLADA** (Beefwood Tree).
- \***CEDRELA TOONA** (The Toon).
- CUPRESSUS MACROCARPA** (Macrocarpa Cypress).
- †——**LUSITANICA** (Portuguese Cypress).
- \*——**ARIZONICA** (Arizona Cypress).

- \*——**TORULOSA** (Himalayan Cypress).
- PYRAMIDALIS** (Churchyard Cypress).
- \***DALBERGIA SISSOO** (Sissoo).
- \***EUCALYPTUS AMYGDALINA** (Peppermint Gum).
- †——**BOTRYOIDES** (Bastard Mahogany).
- \*——**CITRIODORA** (The Lemon-scented Gum).
- ‡——**CREBRA**.
- DIVERSICOLOR** (Karri Gum).
- GLOBULUS** (Blue Gum).
- FICIFOLIA** (Crimson-flowered Gum).
- LEUCOXYLON** (Ironbark Gum).
- †——**LONGIFOLIA** (Woolly Butt).
- †——**MACULATA** (Spotted Gum).
- ‡——**PANICULATA** (Red Ironbark).
- RESINIFERA** (New South Wales Red Gum).
- †——**ROSTRATA** (Red Gum of Victoria).
- †——**ROBUSTA** (Swamp Mahogany).
- ‡——**SALIGNA** (Saligna Gum).
- †——**SIDEROXYLON**.
- \*——**TERETICORNIS**.
- VIMINALIS** (Manna Gum).
- GREYVILLEA ROBUSTA** (Silver Oak).
- \***JACARANDA MIMOSÆFOLIA**.
- \***ABERIA CAFFRA** (Kei Apple).
- PINUS AUSTRALIS** (Pitch Pine).
- INSIGNIS** (Remarkable Pine).
- HALEPENSIS** (Aleppo Pine).
- \*——**LONGIFOLIA** (Chir Pine).
- PINASTER** (Cluster Pine).
- PITTOSPORUM UNDULATUM** (Camphor Laurel).
- THUYA ORIENTALIS** (Chinese Arborvitæ).
- \*——**GIGANTEA**.

We can supply transplants of the leading and most suitable kinds for Rhodesia of the above-mentioned Forest Trees, established in half paraffin tins (about 25 in each) at **8s. 4d. per 100 trees** cash with order, or **10s. per 100 less usual 10 per cent.** Ornamental Trees and Hardy Shrubs are generally established in tins (one to four in tin) from **6d. to 2s. 6d. per plant.**

**Flowering Carnations.**— $\frac{1}{2}$  oz. Sulphate of Ammonia and 1-16th oz. Sulphate of Potash dissolved in 2 gallons of water, applied once a fortnight, will have beneficial results.



# THE GLORY OF THE FLOWER GARDEN.

## Our Choice Reliable Flower Seeds.

We give Flower Seeds our particular care and attention, and can assure our customers that our strains are unsurpassed, particularly Petunias, Antirrhinums, Carnations and Winter Flowering Sweet Peas.

**FAILURES.**—The amateur gardener seems to have far too many failures and disheartening experiences in growing flowers from Seeds, and naturally the seedsman comes in for more than a fair share of blame. Fine Seeds, like those of Petunias, Lobelia, Pansy, Penstemon, Antirrhinums, Begonia and many others, require the most careful treatment. Such seeds should be sown in proper seed pans or half paraffin tins containing fine mould, with plenty of drainage, and shaded. The very fine Seeds should not be covered with soil at all, but simply pressed lightly into the mould. To prevent

evaporation and consequent necessity for watering, place a piece of glass over the seed pan. If watering must be done, do not water fine Seed overhead, but place the seed pan in a vessel of water so that it can absorb sufficient moisture.

Flower Seeds sown in the open should be shaded with a screen of tobacco muslin or similar material until the seedlings are strong enough to be exposed to the sun and drying winds. Some sorts take a long time to germinate, notably Larkspurs, Delphiniums and Violets. These require continual moisture (not sodden) and protection until germination has fully developed.

**ABBREVIATIONS:** Annuals, A; Hardy Annuals, HA; Perennials, P.

For Collections of Flower Seeds see page 3.

## Seasons to Sow Flower Seeds.

**TO BE SOWN IN SPRING** (August, September, October) :—

Achillea  
Acroclinium  
Adonis Flos  
Agatheia  
Ageratum  
Agrostemma  
Alstroemeria  
Amaranthus  
Amaryllis  
Ammobium  
Antirrhinum  
Annagallis  
Ampelopsis  
Arabis  
Arctotis  
Artemisia  
Aster  
Asparagus  
Balsam  
Bartonia  
Begonia  
Brachycome  
Browallia  
Cacalia  
Calandrinia  
Canna  
Carnation  
Cerastium

Celosia  
Cineraria  
Clematis  
Climanthus  
Cockscomb  
Collinsia  
Coreopsis  
Convolvulus  
Cobaea  
Coleus  
Cosmos  
Cordyline  
Cyclamen  
Dahlia  
Dianthus  
Dimorphotheca  
Edelweiss  
Eutoca  
Freesia  
Gypsophila  
Hawkweed  
Helichrysom  
Heliotrope  
Honeysuckle  
Humulus  
Ice Plant  
Ipomoea  
Kaulfussia

Kochia  
Larkspur  
Lavatera  
Lavender  
Leptosyne  
Limnanthes  
Linaria  
Linum  
Lisianthus  
Lobelia  
Lophospermum  
Malope  
Mathiola  
Marigold  
Maurandia  
Mimulus  
Mimosa  
Mina Lobata  
Myosotis  
Musk  
Nasturtium  
Nigella  
Nemesia  
Nicotiana (Oct.)  
Oenothera  
Oxalis  
Pelargonium  
Penstemon

Petunia  
Portulaca  
Pyrethrum Aureum  
Ranunculus  
Rhodanthe  
Rocket, Sweet  
Salvia  
Salpiglossis  
Saponaria  
Shamrock  
Shasta Daisy  
Silene  
Statice  
Stokesia  
Sunflower  
Sweet Sultan  
Tacsoni  
Tagetes  
Thunbergia  
Tithonia  
Tropæolum  
Venus' Looking Glass  
Verbena  
Vinca  
Viscaria  
Zinnia



**TO BE SOWN IN SUMMER** (November, December, January) :—

|               |                    |                   |                           |
|---------------|--------------------|-------------------|---------------------------|
| Achillea      | Convolvulus        | Kaulfussia        | Rehmannia                 |
| Acroclinium   | Coreopsis          | Larkspur          | Rhodanthe                 |
| Adonis Flos   | Cosmos             | Lavender          | Rivinia                   |
| Agatheia      | Cyclamen           | Leptosyne         | Rocket, Sweet             |
| Ageratum      | Dianthus           | Limnanthes        | Romneya                   |
| Alstroemeria  | Dimorphotheca      | Linaria           | Rudbeckia                 |
| Amaranthus    | Edelweiss          | Linum             | Salpiglossis              |
| Amaryllis     | Eutoca             | Lophospermum      | Solanum                   |
| Ampelopsis    | Francoa            | Lychnis           | Stokesia                  |
| Annagallis    | Foxglove (Nov.)    | Malope            | Sunflower                 |
| Anchusa       | Freesia            | Marvel of Peru    | Sweet Peas, winter flower |
| Antirrhinum   | Gaillardia         | Marigold          | (Jan.)                    |
| Arabis        | Galega             | Mathiola          | Sweet Sultan              |
| Arctotis      | Geum               | Meconopsis        | Sweet William             |
| Aquilegia     | Gilia              | Mimosa            | Sweet Rocket              |
| Aubretia      | Gadiolus           | Mina Lobata       | Tagetes                   |
| Balsam        | Godetia            | Nasturtium (Jan.) | Tithonia                  |
| Begonia       | Gypsophila         | Nemesia           | Tropæolum                 |
| Brachycome    | Hawkweed           | Nigella           | Valerian                  |
| Browallia     | Helichrysum        | Oenothera         | Verbena                   |
| Calempelis    | Heuchera           | Penstemon         | Vinca                     |
| Celosia       | Hollyhock (Nov.)   | Petunia           | Viscaria                  |
| Chrysanthemum | Honeysuckle        | Portulaca         | Wallflower (Jan.)         |
| Cockscomb     | Hunnemannia (Jan.) | Potentilla        | Zinnia                    |
| Collinsia     | Ipomœa             | Primula           |                           |

**TO BE SOWN IN AUTUMN** (February, March, April) :—

|                      |               |                |                     |
|----------------------|---------------|----------------|---------------------|
| Alyssum              | Eryngium      | Limnanthes     | Primrose            |
| Anchusa              | Eschscholtzia | Linum          | Pyrethrum           |
| Antirrhinum          | Francoa       | Lupinus        | Ricinus             |
| Arctotis             | Fuchsia       | Lychnis        | Scabious            |
| Auricula             | Gaillardia    | Malva          | Schizanthus         |
| Aubretia             | Galega        | Marvel of Peru | Silene              |
| Calceolaria          | Geum          | Mignonette     | Statice             |
| Calendula            | Gypsophila    | Matricaria     | Stocks              |
| Campanula            | Helenium      | Medeola        | Streptocarpus       |
| Canna                | Heuchera      | Meconopsis     | Sweet Peas (w. fl.) |
| Candytuft            | Hibiscus      | Melanthus      | Sweet Sultan        |
| Centauria            | Honesty       | Myosotis       | Tritoma             |
| Clarkia (Mar.-April) | Humea         | Nemophila      | Valerian            |
| Cornflower           | Hunnemannia   | Pansy          | Verbascum           |
| Cordylina            | Impatiens     | Papaver        | Viola               |
| Cowslip              | Iris          | Phlox          | Wallflower (Feb.)   |
| Delphinium           | Jacobæa       | Picotee        |                     |
| Dianthus             | Larkspur      | Pink           |                     |
| Erigeron             | Leptosyne     | Polyanthus     |                     |

**WINTER SOWINGS** (May, June, July) :—

The weather during these months is generally too cold and dry for sowing Flower Seeds to get the best results, but if early plants are desired, many of the varieties recommended to be sown in spring may be sown in frames, limbo houses or genial sheltered positions.

The above Guide is correct for Salisbury district and places of similar climate, but may, of course, be modified according to the variation of climatic conditions.

## *Capacity of Silos.*

| No. of cows to be fed<br>for 17 weeks. | Approximate quantity<br>of silage required. | Approximate cubic con-<br>tent of pit required. |
|----------------------------------------|---------------------------------------------|-------------------------------------------------|
| 6                                      | 11 tons                                     | 880 cubic feet.                                 |
| 9                                      | 16½ "                                       | 1,320 " "                                       |
| 15                                     | 27 "                                        | 2,160 " "                                       |
| 20                                     | 36 "                                        | 2,880 " "                                       |
| 25                                     | 45 "                                        | 3,600 " "                                       |
| 32                                     | 58 "                                        | 4,640 " "                                       |
| 72                                     | 130 "                                       | 10,400 " "                                      |
| 100                                    | 180 "                                       | 14,400 " "                                      |

Average weight of ensilage per cubic foot—30 lbs.

Average daily ration per head per day—30 lbs.

To find the capacity (in cubic feet) of a circular silo, multiply the square of the radius in feet by 22—7, and the product by the height in feet.

## FOR WINTER FLOWERS

SOW OUR

## WINTER FLOWERING SWEET PEAS

*Unexcelled for length of stem and size of flowers.*

For list of varieties and colours see page 38.

**Cutworms in Gardens.**—Apply mixture of two parts soot and three parts lime around base of plants and dig into surface soil.

**"CAPEX" LIME SULPHUR**—The Winter Spray for Deciduous Fruit Trees.

**ANOTHER SUGGESTION.**—If when you receive seeds you have any doubt about their germination, test them yourself before planting. Count out, say, 50 seeds, put them between damp flannel or blotting paper, and keep in a warm situation; in most cases a few days' time will be sufficient. See that the flannel or paper is always kept moist.

Should any of your friends desire a copy of this Catalogue, let us know and we shall supply it with pleasure.



## Novelties and Specialities in Flower Seeds.

### **Antirrhinum, Majus Grandiflorum.**

**"PINK DOMINO," A.**—A decided acquisition to the tall section. The flowers are bold and well formed. The colouring, which is a very soft clear rose pink, is exactly the same tone throughout; 36 inches. Pkt. 1s. 6d.

**"MAVIS PURPLE."**—This is a distinct variety. The flowers are of a rich purple borne on long stiff stems, which make them highly adaptable for cut flowers. The plants attain a height of 3 to 4 feet and flower continuously from December to April. Seed is saved in Rhodesia and stock is limited. Pkt. 2s. 6d.



**Antirrhinum—Pink Domino.**

### **Asters.**

**"PRIDE OF RHODESIA," A.**—Since we introduced this new race of Asters which has caused such a sensation, we have been successful in obtaining a full range of colours. The flowers are extremely large, full and well formed, closely resembling Japanese Chrysanthemums. Highly recommended for cut blooms and decorative purposes; 24 inches. Pkt. 6d.; collection of eight separate colours 3s. 6d.

**"SUNSHINE ASTER," A.**—A distinct new Aster.

The quilled centres are golden in colour and are immediately surrounded by small florets which merge into white at the outer edges. The outer petals form a loosely curled circle, making the flowers extremely pleasing to the eye. The plant is of a branching habit, throwing long stems, which make it invaluable as a cut flower. Seed can be had in separate colours or mixed; 30 inches. Pkt. 1s.

**Calliopsis.**

**TOM THUMB "DAZZLER," A.**—Nothing can brighten the garden borders with better effect than the Calliopsis. This splendid dwarf variety is unexcelled for massing. The blooms completely cover the plant and display a rich maroon red centre with broad golden yellow border; 12 inches. Pkt. 1s. 6d.

**Dahlia.**

**"COLTNESS HYBRIDS," P.**—Attractive new strain of Dahlias; is very suitable for bedding purposes. The plants are neat and compact, bearing a full and continued succession of blooms throughout the summer and autumn. They are varied, embracing light and dark crimson, yellow, white, purple and mauve; 18 inches. Pkt. 1s.



*Delphinium—Rhodesia Hybrids.*

**Carnation.**

**"RHODESIA PRIZE," P.**—This excellent strain is saved from hand fertilised plants, thus giving the maximum percentage of choice double flowers, together with the length of stem and variety of colours.

**Dahlia.**

**"STELLA," P.**—A single flowered Dahlia with a varied range of colour. The re-curved petals show both sides, the under side usually being marbled. The blooms are borne on long stiff stems, which make it a very valuable cut flower; 24 inches. Pkt. 1s. 6d.



### Delphinium.

**"RHODESIA HYBRIDS," P.**—Seed saved from the unique collection of Blackmore and Langdon, England. Unsurpassed for length of spikes and quality of flowers;  $3\frac{1}{2}$  to  $4\frac{1}{2}$  feet. Pkt. 1s. 6d.

### Eschscholtzia, Californica.

**"MAIZE QUEEN," A.**—This is a remarkably delicate and pretty novelty. The cup of the flower is exquisitely channelled and fluted and its colour a maize suffusion on a lemon ground. The petals on the outside are deep shell pink in colour; 20 inches. Pkt. 1s. 6d.

### Larkspur.

**"VIOLET QUEEN," A.**—Stock-flowered Larkspurs have become extremely popular as cut flowers, and this particular shade will be welcomed. The plant is of sturdy growth, bearing spikes of double and semi-double flowers of a lovely shade of violet blue; 36 inches. Pkt. 1s.

### Lisianthus Russellianus.

**P.**—A new and elegant pot plant. Flowers are rich deep lilac with black centre and yellow stamens; 18 inches. Pkt. 2s.



Pansy, Hurst's Giant Strain.

### Eschscholtzia.

**"RAINBOW STRAIN," A.**—New large-flowering erect type, containing a large percentage of new shades, including soft pink, scarlet chrome, copper red, claret, mauve and royal purple; 24 inches. Pkt. 6d.

### Geum.

**"ORANGE QUEEN," P.**—This is a long-looked-for shade in Geums, being an intermediate between orange-scarlet and yellow. The plants are of similar habit to the well-known variety, "Mrs. Bradshaw," being quite as large and floriferous; 18 inches. Pkt. 1s. 6d.

### Pansy, Giant.

**"HURST'S STRAIN," P.**—A very select stock, producing enormous flowers of rich and varied colour. Plants are hardy and robust. Pkt. 1s. 6d.

### Pæony.

**"CHOICE HYBRIDS," P.**—We have pleasure in offering seed saved from a choice collection of this old-fashioned flower; 36 inches. Pkt. 1s. 6d.

**Papaver, Nudicaule.**

**"THIBET," P.**—The flowers of this new and interesting novelty are of a brilliant orange colour. The habit is extremely vigorous, while blooms are large and are produced in great abundance; 18 inches. Pkt. 1s.

**Perezia, Multiflora.**

**P.**—This remarkable new perennial grows about 3 feet high and resembles Teazel in appearance. It branches freely from the base and bears star-shaped composite flowers of a clear porcelain blue, which are freely produced in branching umbels. Leaves are long and toothed, giving the plant an imposing and ornamental appearance; 36 inches. Pkt. 1s. 6d.

**Primula, Malacoides.**

**"COURTLAND SEEDLING," P.**—This plant is of an extraordinarily vigorous form and the flowers are comparatively free from farina. This absence of farina makes the colour, which is a clear lilac-pink, very brilliant. The individual flowers are very large in size and the petals are deeply bifid and at times curled; 12 inches. Pkt. 1s. 6d.

**Primula, Pulverulenta.**

**"BARTLEY STRAIN," P.**—An entirely new strain of hardy Primulas consisting of pink seedlings. The plants are very robust and free flowering. Three particular shades are usually predominant, a rich rose pink with yellow eye, a soft pink with light eye, and light pink with dark eye; 9 inches. Pkt 1s. 6d.

**Ranunculus.**

**"FLORENTINE GIANT FLOWERED," P.**—This wonderful new type of French Ranunculus is well worth a trial. It is very strong and vigorous in habit, with tall stems of bloom 18 to 24 inches in height, each individual flower very large, generally 4 to 5 inches in diameter. The colours are most varied. Seedlings will bloom the first year, but will be at their best the second year; 24 inches. Pkt. 1s. 6d.

**Salvia, Splendens.**

**"HARBINGER."**—This is a distinct novelty in Salvias. Plants raised from seed sown in December-January will produce a profusion of dazzling bright scarlet flowers in April, and maintain a blaze of colour until August. The plants are dwarf and compact in habit, and the strong dark foliage forms an effective foil to the vivid hue of the flowers; 18 inches. Pkt. 1s. 6d.

**Sidalcea.**

**"STARK'S HYBRIDS," P.**—A really good hardy border plant easily raised from seed. The colours embrace all shades from blush, pink, rose, carmine and crimson. The height varies from 18 to 48 inches; plants will flower the first year from seed. Pkt. 1s. 6d.

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## *A Table for Planters.*

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Showing the number of plants required per statute acre at given distances.

| Distance<br>apart | No.<br>plants | Distance<br>apart | No.<br>plants | Distance<br>apart | No.<br>plants |
|-------------------|---------------|-------------------|---------------|-------------------|---------------|
| 12 x 1 in.        | ... 522,720   | 30 x 24 in.       | ... 8,712     | 60 x 60 in.       | ... 1,743     |
| 12 x 3 "          | ... 174,240   | 30 x 30 "         | ... 6,970     | 8 x 1 ft.         | ... 5,445     |
| 12 x 12 "         | ... 43,560    | 36 x 3 "          | ... 58,080    | 8 x 3 "           | ... 1,815     |
| 16 x 1 "          | ... 392,040   | 36 x 12 "         | ... 14,520    | 8 x 8 "           | ... 680       |
| 18 x 1 "          | ... 348,480   | 36 x 18 "         | ... 9,680     | 10 x 1 "          | ... 4,356     |
| 18 x 3 "          | ... 116,160   | 36 x 24 "         | ... 7,260     | 10 x 6 "          | ... 726       |
| 18 x 12 "         | ... 29,040    | 36 x 36 "         | ... 4,840     | 10 x 10 "         | ... 435       |
| 18 x 18 "         | ... 19,360    | 42 x 12 "         | ... 12,446    | 12 x 1 "          | ... 3,630     |
| 20 x 1 "          | ... 313,635   | 42 x 24 "         | ... 6,223     | 12 x 5 "          | ... 736       |
| 20 x 20 "         | ... 15,681    | 42 x 36 "         | ... 4,148     | 12 x 12 "         | ... 302       |
| 24 x 1 "          | ... 261,360   | 48 x 12 "         | ... 10,890    | 16 x 1 "          | ... 2,722     |
| 24 x 18 "         | ... 15,520    | 48 x 18 "         | ... 7,790     | 16 x 16 "         | ... 170       |
| 24 x 24 "         | ... 10,890    | 48 x 24 "         | ... 5,445     | 18 x 18 "         | ... 134       |
| 30 x 1 "          | ... 209,088   | 48 x 30 "         | ... 4,356     | 20 x 20 "         | ... 108       |
| 30 x 6 "          | ... 34,848    | 48 x 36 "         | ... 3,630     | 22 x 22 "         | ... 90        |
| 30 x 12 "         | ... 17,424    | 48 x 48 "         | ... 2,723     | 25 x 25 "         | ... 69        |
| 30 x 16 "         | ... 13,068    | 60 x 36 "         | ... 2,901     | 30 x 30 "         | ... 48        |
| 30 x 20 "         | ... 10,454    | 60 x 48 "         | ... 2,178     | 35 x 35 "         | ... 35        |



- ACHILLEA PTARMICA, fl. pl., P.**  
"The Pearl."—Double white flowers, useful for cut blooms, 24 inches. Pkt. 6d.
- ACROCLINIUM, A.**  
A pretty everlasting flower, in rose and white shades, suitable for winter decoration, 12 inches. Pkt. 6d.
- ADONIS FLOS, A.**  
Crimson scarlet flowers, feathery foliage, 12 inches. Pkt. 6d.
- AGATHEA COELESTRIS, P.**  
Pretty blue Marguerite, with yellow centre, very free flowering, 18 inches. Pkt. 6d.
- AGERATUM, A.**  
Swanley Blue.—True dwarf bedding variety, 9 inches. Pkt. 6d.  
Mauve Beauty.—Large mauve flowers, dwarf and compact, free flowering, 9 inches. Pkt. 6d.
- AGROSTEMMA CORONARIA, P.**  
Mixed, crimson and white flowers, silvery foliage, blooms profusely, 24 inches. Pkt. 6d.
- ALYSSUM, A.**  
Little Dorrit.—Invaluable plant for edging or rockery, with small white flower, 4 inches. Pkt. 6d.  
Sweet.—The common annual, very free flowering, flowers white, 9 inches. Pkt. 6d.  
Saxatile compactum.—Valuable perennial with bright yellow flowers, 6 inches. Pkt. 6d.
- ALSTREMERIA, P.**  
Chilensis.—Extremely attractive lily-like flowers, excellent for cutting, various colours, 30 inches. Pkt. 6d.
- AMARANTHUS, A.**  
Tricolour Splendens (Jacob's Coat).—Beautiful ornamental foliage plant, 18 inches. Pkt. 6d.  
Caudatus (Love-Lies-Bleeding).—Border annual with long drooping crimson flowers, 36 inches. Pkt. 6d.  
Cruentus (Prince's Feather).—Tall spikes of red flowers, highly ornamental, 36 inches. Pkt. 6d.
- AMARYLLIS.**  
New Hybrids.—Will produce many striking and handsome flowers, 30 inches. Pkt. 2s.
- AMMOBIUM, A.**  
Alatum.—White everlasting, free flowering, 30 inches. Pkt. 6d.
- AMPELOPSIS, P.**  
Veitchii (Virginian Creeper).—Well-known climber, bright green foliage turning to crimson. Pkt. 1s.
- ANNAGALLIS, A.**  
Blue (Pimpernel).—Large flowered annual, adapted for sunny positions, 6 inches. Pkt. 6d.  
Scarlet, similar to above, but scarlet flowers, 6 inches. Pkt. 6d.
- ANEMONE, P.**  
St. Brigid (Double and Single).—A really lovely strain of Anemone, mixed colours, 12 inches. Pkt. 1s.
- ANCHUSA.**  
Capensis, A.—(Cape Forget-me-not).—Dwarf, light blue, useful for cut blooms, 12 inches. Pkt. 6d.  
Italica Dropmore, P.—Flowers of a lovely gentian blue, excellent for hardy border, 36 inches. Pkt. 6d.
- ARABIS, P.**  
Alpina.—Lovely plant for rockeries, etc., beautiful white flowers, 6 inches. Pkt. 6d.
- ARCTOTIS, A.**  
Grandis.—Large pearly-white flowers similar to a Marguerite, 24 inches. Pkt. 6d.
- APTEMISIA SACCOPUM, A.**  
Viridis (Summer Fir).—A graceful foliage plant of pyramidal habits, 48 inches. Pkt. 6d.
- ASPARAGUS, P.**  
Plumosus.—Beautiful climber, fern-like foliage. Pkt. 1s.

Plumosus, nanus.—Dwarf variety of the preceding, adapted for pots. Pkt. 1s.  
Sprengeri.—A charming contrast to "plumosus," suitable for hanging baskets. Pkt. 1s.

**AQUILEGIA, P.**

Mrs. Scott Elliott's Long Spurred Hybrids.—All the best and brightest colours, 36 inches. Pkt. 6d.

**AUBRETIA, P.**

Large-flowered Hybrids.—Charming for massing with Yellow Alyssum and White Arabis; lovely mauve shades, 6 inches. Pkt. 1s.

**AURICULA, P.**

Saved from a very fine collection; numerous beautiful shades, 6 inches. Pkt. 1s. 6d.

**ANTIRRHINUM MAJUS GRANDIFLORUM, P., 36 ins.**

Cerise King.—Cerise pink, white throat and lip; Award of Merit, R.H.S. Pkt. 1s.

Orange Beauty.—Orange scarlet, gold lip; a lovely flower. Pkt. 1s.

Crimson King.—Beautiful crimson large flower. Pkt. 6d.

Feltham Beauty.—Deep rose-pink, white centre. Pkt. 1s.

Harmony.—Rich terra-cotta pink, with yellow centre. Pkt. 1s.

Peachblow.—Unique colour, central band rich golden yellow, merging to delicate pink. Pkt. 1s.

Queen Victoria.—The largest and best white. Pkt. 6d.

Rose King.—Immense flowers of a brilliant carmine rose, deepening towards the centre; this is a new and distinct shade. Pkt. 1s.

Torchlight.—Vivid orange, with yellow centre, tinted carmine. Pkt. 1s.

Yellow King.—Very fine deep yellow, large flower. Pkt. 1s.

Choice mixed. Pkt. 6d.



**ANTIRRHINUM, NANUM GRANDIFLORUM, 18 inches.**—Splendid clump for Cut Blooms.

Black Prince.—An excellent dark crimson, with very dark foliage. Pkt. 1s.  
 Golden Monarch.—A very large flower, golden yellow. Pkt. 1s.  
 Empress.—Rich velvety crimson, large flowers. Pkt. 1s.  
 Madonna.—Introduced in 1923, flowers of a pure glistening white; very free flowering and compact. Pkt. 1s.  
 Peace.—Lovely rose-pink, with salmon shading. Pkt. 1s.  
 Radiance.—Flower presents three shades of rich salmon red, a real novelty. Pkt. 1s.  
 Victory.—Rich terra-cotta orange flowers; really the best and largest in this section. Pkt. 1s.  
 Choice mixed. Pkt. 6d.

**ANTIRRHINUM, TOM THUMB; 9 inches.**—Compact habit, fine bedding varieties.

Black Prince.—Dark crimson flower, with dark foliage. Pkt. 1s.  
 Beauty.—Lovely carmine rose. Pkt. 1s.  
 Snowflake.—Splendid pure white. Pkt. 1s.  
 Yellow Prince.—Soft yellow. Pkt. 6d.

**ASTERS, A.**

Ostrich Plume.—A graceful Aster; flowers similar to Japanese Chrysanthemums; very fine for table decorations; 18 inches. In separate colours, pkt. 6d. Mixed colours, pkt. 6d.  
 Giant Comet.—Elegant flowers; for a brilliant display they are unexcelled; 18 inches. In separate colours, pkt. 6d. Mixed colours, pkt. 6d.  
 Victoria.—One of the best classes of Asters; petals curve outwards instead of folding in; 18 inches. In separate colours, pkt. 6d. Mixed colours, pkt. 6d.  
 Early Hohenzollern.—Similar to Ostrich Plume, but much earlier; 20 inches. In separate colours, pkt. 6d. Mixed colours, pkt. 6d.  
 Giant Branching.—Flowers large and very double, long stiff stems; a very useful Aster for decoration; 24 inches. In separate colours, pkt. 6d. Mixed colours, pkt. 6d.  
 Marguerite.—Single flowered Aster; many beautiful colours; 20 inches. Pkt. 6d.

**ASTER, P.**

Michaelmas Daisy.—New large flowered, choice mixed; 36 inches. Pkt. 1s.

**BALSAM, A.**

Camellia-flowered.—Extraordinary size, perfect form and many brilliant colours. Separate colours or mixed. Pkt. 6d.  
 Double Prize.—This strain is very fine and well worth a trial. Pkt. 6d.

**BARTONIA, A.**

Aurea.—A very showy annual, yellow flowers; 18 inches. Pkt. 6d.

**BEGONIA, P.**

Single.—Gold medal strain, seed saved from hand fertilised flowers. Pkt. 2s.  
 Double.—Gold medal strain; this superb strain is saved from an unequalled collection. Pkt. 2s. 6d.  
 Semperflorens, fibrous-rooted Begonia.—Excellent for bedding or pot culture; 12 inches. Mixed colours, pkt. 2s.

**BELLIS PERENNIS, P.**

Monstrosa grandiflora.—A strong robust variety of this old-fashioned English flower: 6 inches. Pkt. 6d.

**BRACHYCOME or SWAN RIVER DAISY, A.**

Summer Beauty.—This novelty forms nice bushy plants, about 8 inches high, thickly bespangled with flowers of a soft mauve tint, with dark centre. Pkt. 1s.  
 Star Blue and Star White.—Similar to above, covered with Cactus formed Stellata flowers. Pkt. 6d.

**BROWALLIA ELATA, P.**

Speciosa Major.—A free-flowering perennial with bright blue flowers; 24 inches. Pkt. 1s. 6d.

**CACALIA or TASSEL FLOWER, A.**

Coccinea.—Showy annual, flowers scarlet; good for bouquets, etc.; 18 inches. Pkt. 6d.

**CALAMPELIS SCABRA, A.**

Aurea.—A pretty climber with orange-scarlet flowers. Pkt. 6d.

**CALANDRINIA, A.**

Umbellata.—Excellent annual with bright rosy-crimson flowers; 18 inches. Pkt. 6d.

**CALCEOLARIA, P.**

Covent Garden Strain.—This is a very fine strain; really magnificent pot plants; colours varied and beautiful. Pkt. 2s. 6d.

**CALENDULA, A.**

Orange King Improved.—Extra large, very double flowers of a pure glowing orange colour; 18 inches. Pkt. 6d.

**CALLIOPSIS or COREOPSIS, A.**

Drummondii.—Large golden yellow flowers; 18 inches. Pkt. 6d.  
 The Garnet.—Crimson scarlet flowers in profusion; 24 inches. Pkt. 6d.  
 Tom Thumb (Star of Fire).—Fiery red; 15 inches. Pkt. 6d.  
 Fire King, compacta.—Deep bright scarlet; 20 inches. Pkt. 6d.

**CAMPANULA, P.**

Pyramidalis, White and Blue.—A charming plant for beds or borders; very showy; 48 inches. Pkt. 6d.

**CAMPANULA.**

Persicifolia, White and Blue.—One of the finest Campanulas, with large handsome bell-shaped flowers; 24 inches. Pkt. 6d.  
 Carpatia, mixed colours.—Bell-shaped flowers; very free flowering; 12 inches. Pkt. 6d.

**CANDYTUFT, A.**

Crimson.—Dark rich colour; 12 inches. Pkt. 6d.  
 Purple.—A very rich colour; 12 inches. Pkt. 6d.  
 White Empress.—Pure white, giant flowers; 12 inches. Pkt. 6d.  
 Carmine.—A lovely shade; 12 inches. Pkt. 6d.  
 Rose Cardinal.—Rich striking colour; 12 inches. Pkt. 6d.

**CANNA, P.**

Choicest Mixed.—A very handsome and decorative plant. Will grow anywhere. Pkt. 1s.

**CANTERBURY BELLS, B.**

These imposing biennials are profusely covered with bell-shaped flowers. 36 inches.  
 Cup and Saucer Varieties; in separate colours and mixed colours. Pkt. 6d.  
 Single Varieties; in separate colours and mixed colours. Pkt. 6d.  
 Double Varieties; in separate colours and mixed colours. Pkt. 6d.

**CARNATION, P.**

Plants raised from seed are more floriferous than those grown from cuttings or divisions.  
 Our Selected Strains are sure to provide many varied and new shades, besides a great wealth of blooms.  
 Double Border.—Useful for cutting or border masses, double and semi-double flowers; 24 inches. Pkt. 1s. 6d.  
 American Tree, Perpetual.—Saved from the newest and finest named varieties; 20 inches. Pkt. 1s. 6d.



Giant Chabaud.—Very free flowering, perpetual variety; separate colours or mixed; 24 inches. Pkt. 1s. 6d.

Giant Perfection.—An excellent strain producing a large percentage of double flowers; 24 inches. Pkt. 1s. 6d.

Margaret.—Generally treated as an annual; comes into flower very early; very fragrant; separate colours or mixed; 20 inches. Pkt. 1s.

#### CELOSIA, A.

Thompsoni magnifica.—An improved feathered Cockscomb, splendid variety of colours; choice mixed. Pkt. 6d.

#### CENTAUREA, A.

Imperialis, Mixed.—A fine selection of brilliant colours; 30 inches. Pkt. 6d.

Montana.—A handsome perennial cornflower, blue and white varieties; 24 inches. Pkt. 6d.

#### CERASTIUM, P.

Tomentosum or Snow in Summer.—A perennial with ornamental foliage; very effective; 6 inches. Pkt. 6d.

#### CHRYSANTHEMUM, A.P.

Japanese Mountain.—Will flower same year from seed, produces a profusion of small graceful flowers in many different colours; 20 inches. Pkt. 1s.

Japanese Show Varieties.—Dishevelled petals. Pkt. 1s. 6d.

Chinese Show Varieties.—Incurved petals. Pkt. 1s. 6d.

Pompones Show Varieties.—Pkt. 1s. 6d.

Coronarum.—A vigorous growing class of branching habit; very useful for cutting. White, golden, purple and scarlet. Pkt. 6d.

Inodorum Snowball.—A lovely double white flower; 18 inches. Pkt. 6d.

Frutescens.—The French Marguerite; small white flowers in great profusion; 18 inches. Pkt. 6d.

Tricolor.—A very showy class, suitable for cut flowers; 18 inches. Pkt. 6d.

Leucanthemum, grandiflorum, or Ox-Eye Daisy.—One of the most useful garden flowers; 30 inches. Pkt. 6d.

Leucanthemum, Maximum, Shasta Daisy.—The most free flowering variety; large and refined flowers; 30 inches. Pkt. 6d.

#### CINERARIA, P.

Prize Exhibition Strain.—This class contains a splendid selection of colours; useful as pot plants; 18 inches. Pkt. 1s. 6d.

Stella.—A distinct variety, tall growing; flowers like a single Cactus Dahlia; 24 inches. Pkt. 1s. 6d.

Cactus Blue.—Very distinct, clear blue, twisted petals; 18 inches. Pkt. 1s. 6d.

#### CLARKIA, A.

Elegans Dorothy, fl. pl.—Colour of well-known D. Perkins rose; 20 inches. Pkt. 6d.

Elegans Ruby King, fl. pl.—Beautiful shade of ruby red; 30 inches. Pkt. 6d.

Elegans Salmon Queen, fl. pl.—Lovely salmon pink; 24 inches. Pkt. 6d.

Elegans, fl. pl., Purple Prince.—Fine rich purple, very double; 24 inches. Pkt. 6d.

Elegans, fl. pl., Queen Mary.—Lovely rose-carmine; very bright colour; 24 inches. Pkt. 6d.

Elegans, fl. pl., Vesuvius.—Orange-scarlet; a very showy flower; 24 inches. Pkt. 6d.

Mixed Colours.—Selection of the finest double varieties; 24 inches. Pkt. 6d.

#### CLEMATIS, P.

Jackmanii, Choice Hybrids.—A splendid climber; various colours. Pkt. 1s.

#### CLIANTHUS, P.

Dampieri, Glory Pea of Australia.—Lovely scarlet flowers with dark centre; sow seed where plants are to grow; 24 inches. Pkt. 2s.

#### COBÆA, SCANDENS, P.

A handsome climber; large bell-shaped flowers; purple and white varieties. Pkt. 6d.

#### COCKSCOMB, A.

Crimson Exhibition.—A handsome strain from prize flowers; 12 inches. Pkt. 1s.

#### COLEUS, P.

Giant Exhibition.—A magnificent strain of these lovely foliage plants; 30 inches. Pkt. 1s. 6d.

Invincible Croton-Leaved.—A fine type of Coleus of upright habit, with drooping lacinated leaves; highly coloured. Pkt. 1s. 6d.



Clarkia—Elegans Queen Mary.

#### COLLINSIA, A.

Bicolor.—Lilac and white flowers; very effective; 9 inches. Pkt. 6d.

#### CONVOLVULUS, A.

Major.—Beautiful climber; in all the richest and most brilliant shades. Pkt. 6d.

Minor.—A lovely bedding or border plant; 12 inches. Pkt. 6d.

#### CORDYLINE, P.

Dracæna.—Exceedingly handsome foliage plant for stoeps, etc.; 36 inches. Pkt. 1s.

#### COSMEA, A.

New Giant Hybrids.—A selection of all the latest and finest shades; 36 inches. Pkt. 6d.

**COWSLIP, P.**

Yellow.—A lovely old-fashioned flower; sweet-scented; 9 inches. Pkt. 1s.

**CYCLAMEN, P.**

Persicum giganteum.—Extra choice winter flowering bulbous plants, easily grown from seed; 9 inches. Pkt. 1s. 6d.

Papilio Butterfly Variety.—A distinct new variety; mixed colours; 12 inches. Pkt. 1s. 6d.

**CYANUS, A.**

Minor, Blue, White and Pink.—A popular and useful flower for decorative purposes; 30 inches. Pkt. 6d.  
Minor, Emperor William.—Large deep blue flowers; a general favourite; 28 inches. Pkt. 6d.  
Minor, fl. pl., Blue.—Very suitable for cutting; 24 inches. Pkt. 6d.

**DAHLIA, P.**

These bulbous plants can easily be grown from seed; our strains are perfect; 36-60 inches.

Double Mixed.—Pkt. 1s.

Double Pom-Pom.—Very choice. Pkt. 1s.

Double Cactus.—Large flowered, mixed. Pkt. 1s.

Collarette, Dobbie's Strain.—A distinct new variety. Pkt. 1s.

Giant Perfection.—Single flowered, mixed. Pkt. 1s.

Peter Pan.—A unique class of Dahlia, about 12-18 inches high, presenting a most varied combination of colours. Pkt. 1s. 6d.

**DELPHINIUM, P.**

These perennial varieties furnish us with flowers of striking beauty and charming shades. Our strains are specially selected for us, and we can assure our customers of getting some perfect and handsome spikes.

Kelway's Choice Show.—Very beautiful strain, with handsome flower spikes; in separate colours; 48 inches. Pkt. 1s. 6d.

Formosum.—Rich blue flowers, exceedingly effective; 36 inches. Pkt. 1s.

Blue Butterfly Improved (Annual).—A brilliant blue of compact growth; 16 inches. Pkt. 6d.

Blue Gem.—Annual variety; 12-14 inches. The flower is large and of a beautiful deep blue. Pkt. 1s.

Rev. E. Lascelles.—Flowers large and double, deep blue with white centre; 36 inches. Pkt. 1s.

Belladonna, Cliveden Beauty.—Larger and taller than the old Belladonna; lovely pale blue; 48 inches. Pkt. 1s.

Zalil.—Sulphur yellow, very fine tall hardy, perennial; 48 inches. Pkt. 1s. 6d.

**DIANTHUS, B.**

Chinensis, Single or Double Mixed.—Clusters of flowers of varied colours, resembling Carnations; 15 inches. Pkt. 6d.

Heddergii, Single or Double Mixed.—A lovely selection of brilliant colours, very effective for masses; 12 inches. Pkt. 6d.

**DIGITALIS, P.**

Foxglove, Mixed.—A splendid mixture of all colours; 48 inches. Pkt. 6d.

**DIMORPHOTHECA, A.**

Aurantiaca, Orange Daisy.—Gorgeous flowers produced in profusion with neat foliage; 12 inches. Pkt. 6d.

Eklonis.—New plant from Egypt; bears large star-shaped pure white flowers on long stems; highly decorative. Pkt. 1s. 6d.

**EDELWEISS, P.**

This hardy Alpine plant is best treated as an annual; very fine for rockeries, etc.; silvery white flowers; 6 inches. Pkt. 6d.

**ERIGERON, P.**

Speciosus (Midsummer Daisy).—A pleasing shade of pale mauve flowers, with golden centres; 18 inches. Pkt. 6d.

**ERYNGIUM, P.**

Planum.—A species of Sea Holly; abundant flower heads of pale blue; excellent for cutting; 24 inches. Pkt. 1s.

**ERYSIMUM, B.**

Perowskianum.—A lovely early flowering plant with orange-coloured flowers; very effective for borders; 12 inches. Pkt. 6d.

**ESCHSCHOLTZIA, A.**

Californica.—The old-fashioned lemon-coloured Californian Poppy; 18 inches. Pkt. 6d.

Alba, fl. pl.—Lovely ivory white double flowers; 18 inches. Pkt. 6d.

Carmine King.—Very large flowered; a very effective shade for massing; 12 inches. Pkt. 6d.

Mandarin.—Flowers orange-scarlet; 18 inches. Pkt. 6d.

Crocea, fl. pl.—Fine double orange flowers, almost like a Marechal Niel Rose; 18 inches. Pkt. 6d.

**EUTOCA, A.**

Viscida.—Profuse blooming annual, suitable for bees; blue flowers; 12 inches. Pkt. 6d.

**FERNS, P.**

Finest Mixed.—Spores of the most suitable for Rhodesia; many new varieties. Pkt. 1s.

**FRANCOA, P.**

Ramosa (Bridal Wreath).—Lovely white flowers; useful for table decorations; 30 inches. Pkt. 1s.

**FREESIA, P.**

Choice Hybrids.—Many beautiful new colours; flowers from seed the first year; 12 inches. Pkt. 1s.

Refracta alba.—Pure white; 12 inches. Pkt. 6d.

**FUCHSIA, P.**

Choice Mixed.—Saved from the finest single and double varieties; seedlings bloom freely first year. Pkt. 2s. 6d.

Corymbiflora.—Free flowering variety; long scarlet flowers in clusters. Pkt. 2s. 6d.

**GAILLARDIA, P.**

Picta, Lorenziana.—Choice double variety; numerous shades, yellow to scarlet; 18 inches. Pkt. 6d.

Grandiflora, The King.—Vivid crimson centre, wide yellow margin; 20 inches. Pkt. 6d.

Grandiflora Dazzler.—A variety producing much larger flowers than the ordinary, bright golden yellow with maroon red centre; 24 inches. Pkt. 1s.

Choice Mixed.—Saved from newest perennial varieties; 18 inches. Pkt. 6d.

**GALEGA, P.**

Officinalis.—A hardy plant; flowers lilac and white; very floriferous; 24 inches. Pkt. 6d.

**GENTIANA, P.**

Acaulis.—Useful plant for rockeries; trumpet-shaped blue flowers; 4 inches. Pkt. 6d.

**GERANIUM, P.**

Large Flowered, Mixed.—Our seed has been saved from the best varieties; 12 inches. Pkt. 1s. 6d.

**GERBERA, P.**

Jamesoni (Transvaal Daisy).—Flowers of a brilliant and intense scarlet; choice selection; 12 inches. Pkt. 1s.

Jamesonii Hybrid.—A hybrid of the foregoing; delicately coloured flowers; 15 inches. Pkt. 1s. 6d.

**GEUM, P.**

Mrs. Bradshaw.—Orange-scarlet flowers; very double; the finest variety of Geums; 18 inches. Pkt. 1s.



**GILIA, A.**

*Coronopifolia*.—A very striking plant; spikes of brilliant scarlet flowers, with Larkspur foliage; 48 inches. Pkt. 1s.



*Beyreichi* Hybrids.—Similar to *G. coronopifolia*, but more branching; in three colours, yellow, pink and light scarlet, all prettily spotted; 36-48 inches. Pkt. 1s.

**GLADIOLUS, P.**

*Childsii* Hybrids.—Extra choice; saved from selected flowers; 36 inches. Pkt. 1s.

*Celebrated Prize* (Kelway's).—Very choice mixture; 36 inches. Pkt. 1s. 6d.

*Wonder* Hybrids.—Flowers within four months of sowing; a magnificent strain; 24 inches. Pkt. 1s. 6d.

**GLOXINIA, P.**

*Grandiflora*, Choicest Hybrids.—Enormous flowers, brilliant in colour and beautifully marked; 18 inches. Pkt. 2s. 6d.

**GODETIA, A.**

*Bridesmaid*.—A pleasing shade, rose and white; 15 inches. Pkt. 6d.

*Crimson Glow*.—Intense crimson flowers, produced in large clusters; 12 inches. Pkt. 6d.

*Duchess of Albany*.—Large pure white flowers; 18 inches. Pkt. 6d.

*Mandarin*.—Sulphur colour, dwarf and compact; 12 inches. Pkt. 6d.

*Schamini*, fl. pl.—Lovely bright rose; very fine for cutting; 24 inches. Pkt. 6d.

*Finest Mixed Colours*.—All the newest and best shades; 12 inches. Pkt. 6d.

**GYPSOPHILA, A.**

*Elegans, grandiflora*.—Feathery white flowers; highly decorative; 18 inches. Pkt. 6d.

*Elegans, Carminea*.—Pretty pink variety, similar in habit to foregoing; 18 inches. Pkt. 6d.

*Paniculata*, perennial variety.—Graceful branched panicles of small white flowers; 30 inches. Pkt. 6d.

*Paniculata*, fl. pl.—Similar to the ordinary *G. Pan.*, but double flowers; 30 inches. Pkt. 1s. 6d.

**HAWKWEED, A.**

A free-flowering annual, with starry semi-double flowers (pink, white, yellow, silver); 18 inches. Pkt. 6d.

**HELENIUM, P.**

*Riverton Gem*.—A beautiful perennial; crimson and gold flowers; 40 inches. Pkt. 1s.

**HELICHRYSUM, A.**

*Monstrosum*.—Handsome everlasting double flowers, in various colours; useful for winter decoration; 24 inches. Pkt. 6d.

**HELIOTROPIUM, P.**

*Regale*.—Dwarf giant-flowered Heliotrope, large masses of bloom; 18 inches. Pkt. 1s.

**HEUCHERA, P.**

*Choice Hybrids*.—Lovely perennial for rockery or border; every shade from white to crimson; 18 inches. Pkt. 1s. 6d.

**HIBISCUS, P.**

*Hybridus, grandiflorus*.—New race of large flowered Hibiscus, beautiful mixture of reds, pinks, white and clear rose; 60 inches. Pkt. 1s.

**HOLLYHOCK, P.**

*Chater's Double*.—A magnificent strain producing large double flowers closely set on long stems. Collection, 12 separate colours, 4s.

*Double*.—Saved from Chater's best varieties; makes a lovely background; 48-60 inches. Pkt. 1s.

*Single*.—Choice mixed varieties; 48 inches. Pkt. 6d.

*Allegheny Mammoth*.—Distinct variety; splendid rich colours; 40 inches. Pkt. 1s.

**HONESTY, P.**

*Purple and White Varieties*.—Chiefly grown for its shining silvery seed-pods; useful for winter decoration; 24 inches. Pkt. 6d.

**HONEYSUCKLE, P.**

*Red and White Varieties*.—A beautiful climber for trellis work; grows easily from seed. Pkt. 6d.

**HUMEA, A.**

*Elegans*.—Sweet-scented foliage plant; purple-brown flowers; 48 inches. Pkt. 1s.

**HUMULUS, A.**

*Japonicus Variegatus*, Annual Hop.—A vigorous grower, with beautiful variegated leaves; 10 feet. Pkt. 6d.

**HUNNEMANNIA, P.**

*Fumarisefolia*.—Lovely feathery foliage and charming buttercup-yellow flowers; must be sown in situ; 18 inches. Pkt. 6d.

**IMPATIENS, P.**

*Holstii* Hybrids.—Lovely vermilion red; species from East Africa; 18 inches. Pkt. 1s.

**IPOMŒA, P.**

*Grandiflora alba* (Moon-flower).—A vigorous climber; beautiful pure white flowers; 8 feet. Pkt. 6d.

**Imperialis** (Japanese Convolvulus).—Large waxy flowers; very elegant; strong grower; mixed shades; 10 feet. Pkt. 6d.

**Leari**.—The gem of Ipomœas; dazzling rich blue flowers; 10 feet. Pkt. 6d.

#### **IPOMOPSIS, A.**

Choice mixed; showy annuals producing long spikes of various coloured flowers; 30 inches. Pkt. 6d.

#### **IRIS, P.**

**Californian**.—Many new and brilliant shades can be raised from this select strain; 18 inches. Pkt. 1s.

#### **JACOBCEA, A.**

Mixed Colours.—A strong growing annual; useful as a cut flower; 28 inches. Pkt. 6d.

#### **KAULFUSSIA, A.**

**Amelloides**.—An excellent plant for edging; blue and crimson shades; 6 inches. Pkt. 6d.

#### **KOCHIA, A.**

**Summer Cypress, Childsi**.—A great improvement on the type, compact and more hardy; 30 inches. Pkt. 6d.

#### **LARKSPUR, A.**

These annual Delphiniums form one of the finest decorative plants for Rhodesia. Our strains are specially selected.

**Hyacinth-flowered**.—Giant variety; spikes closely set with flowers, in mixture or separate colours; 36 inches. Pkt. 6d.

**Emperor**.—Very elegant candelabra habit with short branches; in mixture or separate colours; 36 inches. Pkt. 6d.

**Stock-flowered**.—In many charming shades; useful for cut flowers; 36 inches. Pkt. 6d.



**Stock-flowered, Rosy Scarlet**.—Tall handsome variety, lovely pleasing colour; 36 inches. Pkt. 6d.

#### **LAVATERA, A.**

**Splendens, White and Rose Varieties**.—Lovely annual; extremely useful for cutting; 36 inches. Pkt. 6d.

#### **LAVENDER, P.**

Sweet-scented perennial; 36 inches. Pkt. 6d.

#### **LEPTOSYNE, A.**

**Stillmani**.—Free-flowering bright yellow Marguerite; flowers five weeks after sowing; 18 inches. Pkt. 6d.

#### **LIMNANTHES, A.**

**Douglasii**.—Delicately fragrant annual; yellow and white flowers; 6 inches. Pkt. 6d.

#### **LINARIA, A.**

**Maroccana Excelsior**.—A suitable annual for bouquets and table decoration; many bright colours; 18 inches. Pkt. 6d.

#### **LINUM, A.**

**Grandiflorum**.—An elegant free-flowering annual, blue and scarlet varieties; 12 inches. Pkt. 6d.

#### **LOBELIA, A.**

**Crystal Palace**.—The finest dark blue variety; forms dense heads of flowers; excellent for borders; 6 inches. Pkt. 6d.

**Gracilis**.—A rich blue trailing variety; suitable for hanging baskets. Pkt. 1s.

**Cardinalis, Queen Victoria**.—Perennial variety; scarlet flowers and dark green foliage; 20 inches. Pkt. 1s.

#### **LOPHOSPERMUM, P.**

**Scandens**.—A hardy climber, with bright orange flowers; 6 feet. Pkt. 6d.

**LOVE-LIES-BLEEDING**. See *Amaranthus*.

#### **LUPINUS, A.**

**Hartwegii**.—A great improvement on the old variety; many charming colours, in mixture or separate colours; 36 inches. Pkt. 6d.

**Polyphyllus**.—A valuable race of perennial Lupins, with lovely long spikes, delicately perfumed flowers; in various shades or mixed colours; 40 inches. Pkt. 6d.

**Arboreus or Tree Lupin**.—Perennial bush variety; white and yellow shades; 4 feet to 6 feet. Pkt. 6d.

**Elliott's Sweet-Scented, perennial**.—Handsome spikes of self or bi-coloured flowers; deliciously scented; 36 inches. Pkt. 1s.

#### **LYCHNIS, P.**

**Arkwrightii**.—New variety; rich, effective colours; 30-36 inches. Pkt. 1s.

#### **MALOPE, A.**

**Grandiflora**.—Showy border annual; mixed colours; 24 inches. Pkt. 6d.

#### **MALVA, P.**

**Moschata**.—Free flowering perennial, rose and white varieties, useful for massing; 24 inches. Pkt. 6d.

#### **MARIGOLD, A.**

**African, Lemon, Prize Strain**.—Very large and perfect; 30 inches. Pkt. 6d.

**African, Orange, Prize Strain**.—Extremely large heads of a bright colour; 30 inches. Pkt. 6d.

**French, Dwarf**.—Gold striped; exceedingly showy; 12 inches. Pkt. 6d.

**French, Tall**.—Gold striped; very special selection of extra large flowers; 24 inches. Pkt. 6d.

**Legion of Honour**.—Single variety; golden-yellow, with purple blotches; 16 inches. Pkt. 6d.

#### **MARVEL OF PERU, P.**

Mixed Colours.—Bushy perennial, producing masses of varied coloured flowers; 24 inches. Pkt. 6d.

#### **MATHIOLA BICORNIS, A.**

**Evening-scented Stock**.—An exquisitely perfumed annual, with lilac flowers; 12 inches. Pkt. 6d.

#### **MATRICARIA, P.**

**Golden Ball**.—Beautiful perennial of compact habit, with double golden-yellow flowers; 15 inches. Pkt. 6d.

**Silver Ball**.—Makes a pretty contrast with Golden Ball; milky white double flowers; 12 inches. Pkt. 6d.



**MAURANDIA, A.**

*Barclayana*, Mixed.—A long flowering climber. Pkt. 6d.

**MECONOPSIS, P.**

*Cambrica*, fl. pl. (Welsh Poppy).—Very showy pale yellow flowers; 12 inches. Pkt. 1s.

*Integrifolia* (Thibet Poppy).—Beautiful soft clear shade of primrose yellow; 14 inches. Pkt. 2s.

**MIMULUS, P.**

*Moschatus* (Musk).—Well-known pot plant; 6 inches. Pkt. 6d.

*Tigrinus*.—Spotted and blotched flowers on yellow ground; 6 inches. Pkt. 6d.

**MINA LOBATA, A.**

An attractive free-flowering climber, flowers changing from vivid red to yellow. Pkt. 6d.



*Lavatera, Splendens, White and Rose Varieties.*

**MEDEOLA, P.**

*Asparagoides* (Smilax).—Perennial climber, easily grown from seed. Pkt. 6d.

**MELIANTHUS, P.**

*Major* (Honey Flower).—Ornamental perennial with fern-like foliage; 30 inches. Pkt. 6d.

**MESEMBRYANTHEMUM, A.**

*Cordifolium*.—A dwarf edging plant, suitable for rockeries; 6 inches. Pkt. 6d.

**MIGNONETTE, A.**

This grand old garden flower in the following varieties: Sweet-Scented, Giant Machet, Red Giant and Orange Queen; 12 to 24 inches. Pkt. 6d.

*Pyramidalis*, "Triumph."—Strong, vigorous grower, with extra long and large spikes; 18 inches. Pkt. 6d.

**MIMOSA, P.**

*Pudica* (Sensitive Plant).—A curious foliaged plant; leaves close if touched; 6 inches. Pkt. 6d.

**MYOSOTIS, A.**

*Alpestris Blue Eyes*.—Bright blue flowers in clusters; 6 inches. Pkt. 6d.

*Alpestris Victoria*.—Rose-coloured flowers; 6 inches. Pkt. 6d.

*Sylvatica*.—Spreading habit; very free-flowering; 12 inches. Pkt. 1s.

**MYRTLE, P.**

Well-known sweet-scented shrub, with white flowers. Pkt. 6d.

**NASTURTIUM, A.**

Tall.—Beautiful climbers, in eight separate colours or mixed shades; only the latest varieties supplied. Pkt. 6d.

*Tom Thumb*.—Intensely free-flowering bushy habit, in eight separate colours or mixed shades. Pkt. 6d.

*Queen of T. T.*—Flowers bright crimson, with variegated foliage. Pkt. 6d.

*Liliput*.—A distinct variety; brilliant flowers in various shades. Pkt. 6d.

**NEMESIA, A.**

*Strumosa Suttonii*.—An excellent annual; much improved strain. Pkt. 1s.  
*Blue Gem Improved*.—Forget-me-not blue of compact habit. Pkt. 6d.

**NEMOPHILA, A.**

*Insignis*.—Beautiful bright blue flowers; 6 inches. Pkt. 6d.  
*Maculata*.—White flowers spotted deep violet; 6 inches. Pkt. 6d.

**NICOTIANA, A.**

*Affinis*.—Sweet-scented long white flowers; 36 inches. Pkt. 6d.  
*Sanderæ Hybrids*.—Free-flowering; mixed colours; 36 inches. Pkt. 6d.  
*Sanderæ, Crimson King*.—A dark velvety crimson; 48 inches. Pkt. 1s. 6d.

*Heath's Strain*.—Extremely large flowers, mostly red-dish brown. Pkt. 1s. 6d.

*Imperial*.—An excellent strain of fancy Pansies. Pkt. 1s. 6d.

*Matchless*.—The finest exhibition or market variety; great range of colours. Pkt. 1s. 6d.

*Crested and Curled*.—A beautiful new type; flowers are finely curled and fringed. Pkt. 1s.

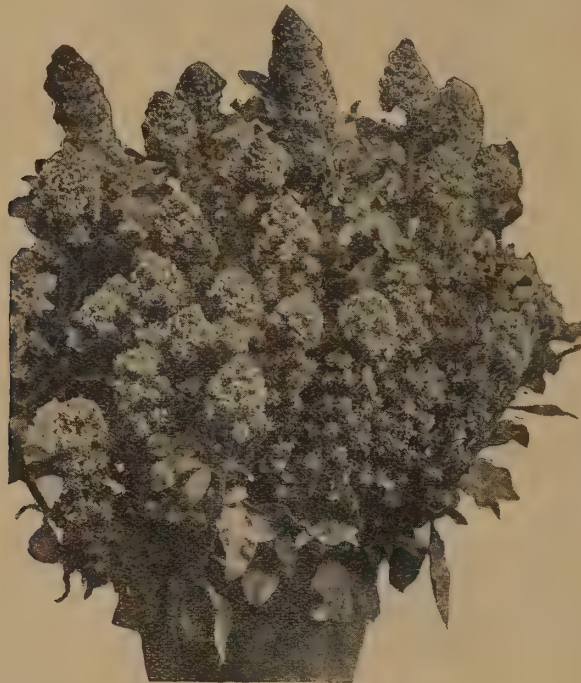
Bedding varieties in eight separate colours. Pkt. 6d.

**PAPAVER, P.**

*Nudicaule (Excelsior Strain)*.—Re-selected strain; many new and beautiful colours; 18 inches. Pkt. 6d.

*Sunbeam*.—A much improved Iceland Poppy, both in variety of shades and length of stems. Pkt. 1s.

*Oriental Hybrids*.—A very fine mixture from all the best-named varieties; 36 inches. Pkt. 6d.



*Mignonette, Pyramidalis, Triumph.*

**NIGELLA, A.**

*Damascena (Devil in the Bush)*.—Single and double light blue flowers; 18 inches. Pkt. 6d.

*Hispanica (Love in a Mist)*.—The well-known blue annual; 16 inches. Pkt. 6d.

*Miss Jekyll*.—True bright corn-flower blue; the best variety; 18 inches. Pkt. 6d.

**CENOTHERA, A.**

*Drummondii*.—A fine hardy annual, with pale yellow flowers; 20 inches. Pkt. 6d.

*Odorato (Evening Primrose)*.—An excellent border flower; colour rich yellow; 48 inches. Pkt. 6d.

**OXALIS, P.**

*Tropæoloides*.—Excellent rockery plant; flowers yellow; foliage brown; 4 inches. Pkt. 1s.

**PANSY, P.**

*Masterpiece*.—Very fine blooms, beautifully blotched and curled; rich colours. Pkt. 1s.

*Trimardeau Parisian*.—Very showy strain of Trimardeau; fine large flowers. Pkt. 6d.

**PELARGONIUM, P.**

*Fancy Varieties*.—Saved from the finest French collection. Pkt. 2s. 6d.

*Zonale, Single and Double*.—Choicest; saved from the newest varieties. Pkt. 2s. 6d.

*Ivy-Leaved*.—Finest mixed. Pkt. 2s.

**PENSTEMON, A.**

*Giant Monarch*.—Blooms of great size, and range in colour from white to deep scarlet; 24 inches. Pkt. 6d.

*Grandiflorum, Excelsior*.—A much-improved strain of this favourite flower; 24 inches. Pkt. 1s.

**PETUNIA, A.**

*Grandiflora, Exhibition Strain*.—Large flowered type; great variety of colours; 16 inches. Pkt. 1s. 6d.

*Grandiflora, Fimbriata*.—Fringed varieties in splendid mixture; 16 inches. Pkt. 1s. 6d.

*Grandiflora, Choice Double*.—Very grand strain with extra large flowers; 16 inches. Pkt. 1s. 6d.

*Grandiflora, Fimbriata, fl. pl.*—Extra choice double fringed; 16 inches. Pkt. 1s. 6d.

*Grandiflora*.—Separate colours, lilac rose, violet blotched white, white tinted throat, and deep carmine. Pkt. 1s. 6d.

*Splendid Mixed*, from selected strain. Pkt. 6d.



**PHLOX, A.**

Drummondii, Grandiflora, Choice Mixed.—This strain is unsurpassed for brilliant shades of every colour; 18 inches. Pkt. 6d.

Drummondii, Grandiflora.—In eight separate colours; 16 inches. Pkt. 6d.

Drummondii, Cuspidata.—Star-shaped flowers of every shade; 16 inches. Pkt. 6d.

Drummondii, Decussata.—The perennial variety, from exhibition strains only; seed is very slow in germinating; 30 inches. Pkt. 1s.

**PICOTEE, P.**

Choice Mixed.—Saved from stage plants; very free-flowering; 24 inches. Pkt. 1s.

**PINK, P.**

Perpetual Flowering.—A new strain of this old English flower; good variety of colour; large semi-double and single flowers; 15 inches. Pkt. 1s.

Mrs. Sinkins.—A beautiful pure white hybrid; very fragrant; 18 inches. Pkt. 1s. 6d.

**POLYANTHUS, P.**

Superb Strain.—Saved from a choice collection of show flowers of fine form and rich colours; 9 inches. Pkt. 2s.

Primrose (Bunch-flowered Primrose).—The finest strain procurable; 9 inches. Pkt. 2s. 6d.

**POPPY, A.**

Carnation.—Flowers double; a lovely mixture of colours; 16 inches. Pkt. 6d.

Dwarf French.—Useful for cutting; double and semi-double flowers; 14 inches. Pkt. 6d.

Mikado.—Striped Japanese Poppy, double flowers; 30 inches. Pkt. 6d.

Snowdrift.—A magnificent pure white double; very free-flowering; 30 inches. Pkt. 6d.

Shirley.—Charming mixture of 18 colours; very select strain; 24 inches. Pkt. 6d.

Tulip.—Flowers of a vivid scarlet, resembling a Tulip; one of the finest; 16 inches. Pkt. 6d.

**PORTULACA, A.**

Choice Single.—A lovely carpet flower; mixed colours; 6 inches. Pkt. 6d.

Choice Double.—Similar to Single variety, but large percentage of flowers are double; 6 inches. Pkt. 1s.

**POTENTILLA, P.**

Single and Double Mixed.—A free-flowering perennial of various shades of yellow and rich brown; 12 inches. Pkt. 1s.

**PRIMROSE, P.**

Dean's Hybrids.—A splendid strain of the brightest shades; 4 inches. Pkt. 1s. 6d.

Blue Primrose.—A unique strain of these delightful flowers, ranging from pale to rich deep blue; 8 inches. Pkt. 2s. 6d.

**PRIMULA, P.**

Sinensis Fimbriata, Choice Double Mixed.—In splendid mixture of all the finest named varieties; 9 inches. Pkt. 2s.

Sinensis Fimbriata, Choice Single Mixed, including the finest varieties from a choice English collection; 9 inches. Pkt. 2s.

Stellata.—A very choice mixture of Star Primulas. Pkt. 2s.

Malacoides.—Of branching habit; an ideal pot plant; white, lilac and pink. Pkt. 2s.

Obconica, Choice Mixed.—Very vigorous variety; fine large flowers. Pkt. 2s.

Kewensis.—Bright yellow flowers in whorles; sweet-scented; 15 inches. Pkt. 1s. 6d.

**PYRETHRUM, P.**

Aureum.—The true Golden Feather; an excellent ornamental plant; 12 inches. Pkt. 6d.

Roseum, Choice Hybrids.—Saved from a splendid collection; 20 inches. Pkt. 1s.

**RANUNCULUS, P.**

Giant French.—Easily grown from seed; double and semi-double flowers; 12 inches. Pkt. 1s.

**REHMANNIA, P.**

Angulata.—A beautiful perennial from China; flowers 3 inches in diameter, rosy-purple with yellow throat, spotted with deep purple; 36 inches. Pkt. 1s.

**RHODANTHE, A.**

Rose, Crimson and White.—A lovely everlasting for winter decoration; 12 inches. Pkt. 6d.

**RICINUS, A.**

Duchess of Edinburgh.—Dark purple stem and leaves; 4 feet. Pkt. 6d.

Gibsonii.—Dark attractive foliage; 5 feet. Pkt. 6d.

**RIVINIA, P.**

Humilis.—Ornamental perennial; drooping racemes of white flowers, succeeded by small Red Currant-like fruit; 30 inches. Pkt. 1s.

**ROCKET, P.**

Sweet, White and Purple.—Well-known sweet-scented perennial; 24 inches. Pkt. 6d.

**ROMNEYA, P.**

Coulteri (Californian Bush Poppy).—A tall perennial producing snow-white Poppy-like flowers; 40 inches. Pkt. 1s.

**ROSE, P.**

Fairy Rose.—Easily raised from seed; flowers in three months from date of sowing; the small bushes are literally covered with bunches of double and semi-double flowers; 18 inches. Pkt. 1s.

**RUDBECKIA, A.**

Bicolor superba, annual.—Yellow, with large velvety-brown centre, brown disc; very useful for cutting; 20 inches. Pkt. 6d.

Purpurea.—A handsome perennial flower with dark centre and deep purplish rose petals; 40 inches. Pkt. 1s.

# Sweet Peas.

## SUMMER AND WINTER FLOWERING.

### CULTURAL DIRECTIONS FOR WINTER FLOWERING.

There is nothing more beautiful and refreshing during the dry winter months than a row of Winter Flowering Sweet Peas. To enable our customers to secure the best results, we give a few hints on the growing of Sweet Peas in general. Trench the ground to a depth of 3 feet, put in a layer of well-rotted manure every 6 inches, but allow at least 15 inches between the topmost layer of manure and the surface. Before sowing the seed, give the ground a good soaking, then place the seeds in the ground 1 inch deep, 12 inches apart, in a single or double row as desired. When the plants are large enough, tie to a trellis or wire netting on which to climb. When the buds first appear, an application of liquid manure is very beneficial. During the dry months give the plants a good soaking every third day. Do not allow seed pods to form if good flowers are desired. Sow from January to April.

### LIST OF SELECTED VARIETIES.

|                  |     |                                   |
|------------------|-----|-----------------------------------|
| Albury Beauty    | ... | Rich salmon                       |
| Albury Carmine   | ... | Deep crimson                      |
| Aglaia Motte     | ... | Cream, broad waved                |
| Blue Bird        | ... | Medium blue                       |
| Daisy Motte      | ... | Snow-white, waved                 |
| Motte's Crimson  | ... | Crimson, long stems               |
| Thalia Motte     | ... | Glowing crimson, sunproof         |
| Radiance         | ... | Salmon cerise                     |
| Fascination      | ... | Cream, shaded blush-pink          |
| Conspicuous      | ... | Dark rosy red                     |
| Yarrowa          | ... | Pink, a lovely shade              |
| Concord Countess | ... | Pale pink                         |
| Concord Superb   | ... | Cerise red, brilliant colour      |
| Exquisite        | ... | Rich creamy pink                  |
| Louise Guide     | ... | Delightful rose pink              |
| Picotée          | ... | Palest pink, blue picotée         |
| Albury Maroon    | ... | Dark maroon                       |
| Perfection       | ... | White, tinted blush               |
| Lilac Gem        | ... | Lilac colour, shaded              |
| Milkmaid         | ... | Pure white                        |
| Royal Purple     | ... | Dark purple                       |
| Blue Flake       | ... | A lovely flower                   |
| Albury Lavender  | ... | Lavender, well waved              |
| Marie Cheslyn    | ... | Creamy pink, tinted salmon        |
| Motte's Mauve    | ... | The best mauve                    |
| Concord Purple   | ... | A medium purple                   |
| Charm            | ... | White standard, tinted heliotrope |
| Californian Blue | ... | The brightest blue                |
| Dairymaid        | ... | Pink                              |
| Dunmore "Wilmot" | ... | Bright rose pink                  |
| Maid Marion      | ... | Carmine red                       |

|                |     |                           |
|----------------|-----|---------------------------|
| Madonna        | ... | Snow-white                |
| Blue Butterfly | ... | Lovely blue, wings shaded |
| Carmine Flake  | ... | The best carmine flake    |

Pkt. 1s. Collection (6 varieties), 3s. 6d.

Collection (12 varieties), 6s.

**RHODESIAN PRIZE**, a high-class strain of Spencer's true waved varieties. Pkt. 1s., oz. 2s. 6d.



**"Concord Superb."**

### Summer Flowering.

We do not recommend planting these on a large scale, as the heavy rains spoil all the beauty of the blooms. Cultural directions are similar to the winter varieties, but sow in August or September.

Collection (12 named varieties), 6s. Collection (6 named varieties), 3s. 6d.

Special Mixture containing all the recent introductions. Pkt. 1s., oz. 2s. 6d.



**SALPIGLOSSIS, A.**

Grandiflora, Mixed.—True large flowered; great variety of colours; 36 inches. Pkt. 6d.  
Emperor.—Upright habit; separate or mixed colours; 36 inches. Pkt. 6d.

**SCHIZANTHUS, A.**

Hybridus Grandiflorus.—A reliable winter flower; a very fine strain of this showy annual; great variety of colours; 18 inches. Pkt. 6d.



*Salpiglossis, Emperor.*

**SALVIA, P.**

Farinacea.—Long spikes of light bright lavender; 30 inches. Pkt. 1s.  
Patens.—A lovely variety for massing; bright blue flowers; 30 inches. Pkt. 1s.  
Splendens ("Fireball").—Gorgeous spikes of a dazzling scarlet; extremely floriferous; 16 inches. Pkt. 1s. 6d.  
Splendens ("Triumph").—Early flowering; rich velvety scarlet; very large flowers; 24 inches. Pkt. 1s.

**SAPONARIA, A.**

Vaccaria.—Pale Rose or White; useful for cut flowers; tall and feathery; 24 inches. Pkt. 6d.  
Calabrica.—Starry pink flowers; excellent for beds; 6 inches. Pkt. 6d.  
Ocymoides splendens.—A trailing rose-coloured perennial; suitable for rockeries. Pkt. 6d.

**SCABIOUS, P.A.**

Azure Fairy.—A rich pale blue; very large flower; 36 inches. Pkt. 6d.  
Fire King.—Rich rosy crimson; intense colour; 36 inches. Pkt. 6d.  
Snowball.—A lovely pure white; 36 inches. Pkt. 6d.  
Caucasica.—Handsome hardy perennial; flowers delicate lavender; 24 inches. Pkt. 1s.

Wisetonensis.—Pink Pearl; 18 inches. Pkt. 1s. 6d.

Wisetonensis.—Snowflake; 18 inches. Pkt. 1s. 6d.

Retusus.—Pink Beauty; 15 inches. Pkt. 1s. 6d.

**SILENE, A.**

Pendula.—A valuable bedding plant; flowers pink; 14 inches. Pkt. 6d.

Snow King.—A beautiful white variety; 14 inches. Pkt. 6d.

**SOLANUM, P.**

Seafortianum.—Handsome climbing variety, with bunches of lavender-blue flowers. Pkt. 1s.

**STATICE or SEA LAVENDER.**

A very useful annual flower for Rhodesia, can be had in mixed or separate colours; yellow, white, rose, light blue, dark blue, bright rose, navy blue and pink; 20 inches. Pkt. 6d. Illustrated.

Latifolia.—Deep lavender-blue perennial; useful for cut flowers; 18 inches. Pkt. 6d.

**STOCKS.**

Giant Perfection, 10 Week.—Very long spikes, branching habit; useful for cut flowers; 18 inches; separate colours, pkt. 6d. Mixed, pkt. 6d.

Giant Pyramidal, 10 Week.—Pyramidal habit; large flowers, high percentage double; 14 inches. Separate colours, pkt. 6d. Mixed, pkt. 6d.

Mammoth-Flowered, 10 Week.—Excellent for sowing either in spring or autumn; this is a splendid class; 20 inches. Separate colours, pkt. 6d. Mixed, pkt. 6d.

Mammoth-Flowered "Snowdrift."—Early flowering, stems thickly set with blooms of pure snowy-white; 24 inches. Pkt. 1s. 6d.

Mammoth-Flowered, "Heatham Beauty."—Rosy mauve shaded terra-cotta; 20 inches. Pkt. 1s. 6d.

Brompton.—The old English type, but now much improved in size and colour; in mixture or separate shades; 24 inches. Pkt. 1s.

East Lothian.—A valuable variety for borders; some excellent shades; in separate colours or mixed; 14 inches. Pkt. 1s.

**SUNFLOWER, A.**

Dazzler.—The plant branches freely and bears lovely flowers of a rich chestnut, tipped orange, with darker centre; 3-4 feet. Pkt. 6d.

Red.—A re-selected variety; flowers red merging to yellow; 5 feet. Pkt. 6d.

Miniature, Stella.—Re-selected, branching golden flowers with black eye; 2 feet. Pkt. 6d.

Miniature, Apollo.—Star-shaped flowers, golden-yellow; 2 feet. Pkt. 6d.

Miniature, Sunlight.—Golden-yellow, dark centre, petals similar to Cactus Dahlia; 3 feet. Pkt. 6d.

Perennial (*Helianthus rigidus*).—One of the best perennials; 6 feet. Pkt. 1s.

**SWEET WILLIAM, P.**

Holborn Glory.—A magnificent strain of these old-fashioned flowers; greatly improved in colour and size of bloom; 18 inches. Pkt. 6d.

Pink Beauty.—A lovely shade of deep pink; 18 inches. Pkt. 6d.



*Schizanthus, Hybridus Grandiflorus.*

**STOCK, A.**

Virginian.—A pretty annual, white, crimson and yellow varieties; 8 inches. Pkt. 6d.

**STOKESIA, P.**

Cyanea.—Large flowered blue perennial; extremely showy; 18 inches. Pkt. 1s.

**STREPTOCARPUS, P.**

Southgate Hybrids.—A highly decorative plant, flowers of enormous size and many shades. Pkt. 2s. 6d.

**SULTAN, A.**

Sweet.—A very attractive annual, suitable for cutting; purple, white and yellow shades; 18 inches. Pkt. 6d.

Scarlet Beauty.—Flowers vivid scarlet; 18 inches. Pkt. 6d.

White Beauty.—Large trusses of pure white flowers; 18 inches. Pkt. 6d.

Auricula-eyed.—Every flower has a clearly defined eye; 15 inches. Pkt. 6d.

**TACSONI, P.**

Exoniensis.—A beautiful scarlet climber. Pkt. 1s.

**TAGETES, A.**

Signata, Golden Gem.—A much improved form of this lovely bedding plant; 12 inches. Pkt. 6d.



**THALICTRUM, P.**

Dipterocarpum.—Very graceful plant, rose purple flowers with yellow anthers; 4-5 feet. Pkt. 1s. 6d.

**THUNBERGIA, P.**

Mixed.—Elegant climber; useful for sunny positions; mixed colours; 6 feet. Pkt. 6d.

**TITHONIA, A.**

Speciosa, Mexican Sunflower.—Tall-growing plant with orange vermillion flowers; very showy; 6 feet. Pkt. 1s.

**TRITOMA, P.**

Perpetual Flowering Hybrids.—A new variety of these showy border plants; some lovely shades from yellow to deep crimson; 1½-5 feet. Pkt. 1s. 6d.

**VERBENA, P.**

Choice Mammoth.—This is a magnificent strain of these popular flowers; enormous heads of bloom; 16 inches. Pkt. 6d.

Mammoth ("Rose Queen").—Lovely delicate rose of unusually large size; 15 inches. Pkt. 1s.

Mammoth ("Scarlet Queen").—Vivid scarlet with distinct white eye; 15 inches. Pkt. 1s.

Mammoth ("Carmine Queen").—Beautiful light carmine; 15 inches. Pkt. 1s.

Mammoth ("Snow Queen").—Pure snowy white; the umbels are produced in great confusion; 15 inches. Pkt. 1s.



*Statice or Sea Lavender.*

**TROPÆOLUM, A.**

Canariense (Canary Creeper).—The well-known climber; flowers yellow; 10 feet. Pkt. 6d.

Speciosum.—Hardy climber of vigorous growth, scarlet flowers; suitable for a cool, damp, shady situation. Pkt. 1s.

**VALERIAN, P.**

Crimson and White.—Showy perennials; suitable for rockeries, etc.; 24 inches. Pkt. 6d.

**VENUS' LOOKING GLASS, A.**

Purple and White.—Free-flowering annual; bell-shaped flowers; 12 inches. Pkt. 6d.

**VERBASCUM, P.**

Phœniceum.—One of the prettiest species; the slender stems are well furnished with flowers of various shades; 24 inches. Pkt. 6d.

Monstrosa (Auricula Eyed).—Great variety of colour; 16 inches. Pkt. 1s.

**VINCA, A.**

Mixed.—The annual Periwinkle from Madagascar; very showy. Pkt. 6d.

**VIOLA, P.**

Odorata (or Sweet Violet).—The well-known sweet-scented variety. Pkt. 1s.

Odorata (The Czar).—Large fragrant deep violet flowers. Pkt. 1s.

Scotch Strain.—The choicest and newest bedding hybrids; very fine and free-flowering. Pkt. 1s. 6d.

**VISCARIA, A.**

Choice Mixed.—Profuse flowering annual; many brilliant shades; 12 inches. Pkt. 6d.

**WALLFLOWER, A.**

Single, Choice Mixed.—18 inches. Pkt. 6d.

Double, Choice Mixed.—Producing dense spikes of deliciously scented flowers; 18 inches. Pkt. 1s.

**ZINNIA, A.**

Elegans, Double, Robusta grandiflora.—A re-selected strain, in 12 separate colours; 18 inches. Pkt. 6d.

Elegans, Double Liliput.—A miniature variety forming compact bushes, covered with double flowers; 12 inches. Pkt. 6d.

Giant Dahlia-flowered.—This type has proved to be the limit yet attained in the development of the Zinnias; many new and pleasing shades; 30 inches. Pkt. 1s.

**ORNAMENTAL GRASSES.**

Choice Selection of tall-growing varieties. Pkt. 6d.

Choice Selection of semi-dwarf-growing varieties. Pkt. 6d.

**BEE FLOWERS.**

Clover, Lucerne, Cotton, Buckwheat, Sweet Sultan, Canary Creeper, Melianthus, Candytuft, Balsam, Antirrhinum, Limnanthes, Godetia. Collection of 12 varieties. 3s. 6d. post free.

**ROCKERY FLOWERS.**

All varieties are specially selected for this climate. Collection of 12 varieties. 3s. 6d. post free.



**Stocks, Giant Perfection.**

## Lawns.

In making a lawn, the first and most important thing to see to is that the land is well drained. After this has been seen to, the ground must be deeply and evenly trenched and a good dressing of well-rotted manure dug in. Then make the ground firm by rolling or tramping, care being taken to ensure a level surface. The best method of making a lawn is by planting roots or suckers of the following grasses. When the roots are well established, the lawn must be cut and rolled frequently to ensure a nice compact grass bed. Annual applications of manure are very beneficial and prevent the lawn from becoming bare. Keep the lawn always well watered.

**BERMUDA GRASS.**—It is of dwarf habit, with long creeping stems, rooting at the joints and covering the ground with a matting of fine turf which no amount of trampling will impair, 1 oz. of seed giving sufficient

plants for 25 square yards. Roots of this grass can be supplied during December and January. Roots should be planted 12 inches apart. Seed, 4s. 3d. per lb. Roots, 7s. 6d. per sack.

**BRADLEY GRASS.**—Highly recommended owing to its drought-resisting qualities, spreads rapidly and does not become coarse or brown. No seed available. Roots should be planted in rows 6 to 8 inches apart, 12 inches between rows. Per bag 30s.

**KIKUYU GRASS.**—No seed of this grass is procurable, but we supply sacks of roots during December and January. Roots should be planted 18 inches apart. 7s. 6d. per sack.

**FOR RENOVATING LAWNS.**—An application of sulphate of ammonia at the commencement of the rainy season at the rate of 1 lb. per square yard will be found to be highly beneficial.



# Department of Farm Seeds.

In recent years the demands on this department have become so large and varied that of necessity we have had to devote more attention to Farm Seeds.

Our Manager being in close touch with the Government Agricultural Experts and farmers throughout the Colony, we are in a sound position to supply just those varieties which are best suited to your particular district. We guarantee our **"RELIABLE FARM SEEDS"** and give special attention to securing our stocks from clean crops, while all our local supplies are re-cleaned by ourselves when necessary.

The various dates of seeding are derived from practical experience, but cannot be accepted as a steadfast rule suitable to all districts. These are merely given as a guide to new Settlers or to the farmer who intends experimenting with new crops.

## Pasture Plants, Grasses and Clovers

**LUCERNE** (*Medicago sativa*).—Resembles clover in growth and feeding value. On well drained soils, and if irrigated, is perennial, so that once established it will often continue to produce large crops for many years if properly cared for. Sow under irrigation, preferably during March, April, May and August, in drills, 15 lbs. of seed; or if broadcasted, 20 lbs. of seed per acre. The drills should be 18-24 inches apart to allow of cultivation. All re-cleaned and guaranteed "Dodder Free."

**Provence** (Union grown).—The well-known French variety; highly recommended. 1s. 4d. per lb.



Sudan Grass growing on Mr. T. Adams' plot at Avondale, near Salisbury. Planted 9th January, 1926; photograph taken 21st March, 1926. Foreground shows ten days' second growth.

The attention of all new Settlers is drawn to the preparation of the soil, which has a considerable influence on germination, growth and resultant crops, especially on heavy soils. The majority of crops thrive better when drilled than when broadcasted, i.e., the seed is planted at a uniform depth, germination is more even, while further cultivation is much easier than when the seed is broadcasted.

As the supply and demand for Rhodesian-grown Seeds are uncertain and prices vary considerably throughout the year, we refrain from giving any ruling for local products. Always in touch with the Union and local markets, we solicit enquiries, when samples and prices will be submitted. See **"OUR GUARANTEE,"** page 2.

Photographs of local crops are reproduced by courtesy of the Department of Agriculture, Southern Rhodesia.

**Hunter River** (Colonial grown).—A high-class variety; has been very successful on light and heavy soils. 2s. per lb.

**Hunter River** (Imported).—One of the best varieties for Rhodesia. On certain farms (where conditions are favourable for Lucerne) it has excelled all others. Our seed is grown in a "Dodder Free" district on the Hunter River, and is specially examined by an expert before shipment at Sydney, N.S.W. 3s. 6d. per lb.

**BEGGAR WEED**.—A valuable perennial legume which can frequently be grown on soils unsuitable for Lucerne, and for which it proves an excellent substitute. A satisfactory crop, without irrigation. In other respects, treatment as for Lucerne. Sow mid-November to January; 15 lbs. drilled, 20 lbs. broadcast per acre. 4s. 6d. per lb.

**KIKUYU GRASS.**—This grass needs no description. Its usefulness for all kinds of stock has been fully proved throughout the Colony. On the sand veld, grown together with certain varieties of clovers, it has done exceedingly well. 7s. 6d. per bag.

**NAPIER FODDER.**—This valuable fodder plant continues to increase in favour. Its chief virtues are that it is perennial, enormously prolific, withstands drought, and cattle thrive on it. No seed is available, but we can supply root divisions during the rainy season; plant in rows 3 feet each way. 5s. per 100 roots.

**PASPALUM DILATATUM.**—On heavy moisture-retaining land this permanent grass is the last to dry off in the winter and the first to make green growth in early spring. In moist situations it is evergreen, and is also useful as a preventive to soil erosion. Sow December to January, 12-15 lbs. per acre broadcast. 1s. 3d. per lb.

**SUDAN GRASS.**—A tall annual hay grass, which under average conditions reaches a height of 5 to 10 feet. Very good drought-resister and heavy yielder. Will grow in any soil, and gives an excellent aftermath for grazing. For hay, sow 20 lbs. broadcast, November to January. For seed, sow 10 lbs. drilled in rows 2 feet apart, November to mid-December. 8d. per lb.

**TEFF GRASS.**—An annual grass invaluable as a summer crop, and if sown early can be cut several times during the season. It is a sure and quick crop, and makes a very nutritious hay for all stock. Particularly suited to sandy soils. Especially recommended for calves, pedigree stock and horses. Sow from November to February with grass seed barrow drill, 6-10 lbs. per acre, or by hand broadcast. 5d. per lb.

**WILD WHITE CLOVER.**—This variety should prove a valuable constituent of seed mixtures. It resists drought well and is a true perennial. 20s. per lb.



Clover growing on Lendy Estates, Marandellas. Sown January, 1925; photograph taken August, 1925.

**PASPALUM VIRGATUM.**—The upright growing variety. A very vigorous grower, and resists drought and cold better than *Paspalum dilatatum*. Sow broadcast, 10 lbs. per acre, December or January, 1s. 9d. per lb.

**PHALARIS BULBOSA or CANARY GRASS.**—For rich irrigated lands and possibly also wet vleis. It grows well through winter, and the quality of the grazing is so high that it is difficult to keep stock off it. Sow in drills during December or in beds to be transplanted; 3 lbs. will sow an acre. 10s. per lb.

**RHODES GRASS.**—Undoubtedly a valuable grass; does well under irrigation; makes little growth during the dry season, unless irrigated. Sow during December or January, broadcast 8 lbs. per acre. 2s. 9d. per lb.

**GIANT WHITE CLOVER.**—A vigorous, large growing variety with a remarkably long tap-root, which enables it to withstand a long drought. 4s. per lb.

**HUBAM CLOVER.**—A tall growing annual variety, woody growth, if not kept grazed; fuller reports are unavailable. 4s. 6d. per lb.

**RED CLOVER.**—Another productive and nutritious Clover, of deep rooting habit and a perennial. 3s. 6d. per lb.

**BERSEEM CLOVER.**—Recommended for sowing during late autumn, of robust habit, and will produce two or three cuttings during a season on vleis or under irrigation. 3s. 6d. per lb.



## Seed Maize.

During the planting season we can supply Seed Maize from the leading maize growers of Rhodesia. Our seed is from selected cobs, hand shelled, tipped and butted; also machine shelled from selected cobs.

**HICKORY KING, 8 Row.**

**SALISBURY WHITE, 12 Row.**

**LOUISIANA HICKORY, 10 Row.**

**POTCHEFSTROOM PEARL, 12 Row.**

For grain, sow mid-November to end of December, 12 lbs. Salisbury White, 15 lbs. Hickory King per acre, in rows 40 inches apart, plants 18 inches apart. For silage, mid-December to January, 25 lbs. per acre drilled.

Prices and samples on application.

## Root Crops and Succulents.

**CARROTS** (Field Varieties).—Carrots are well liked by all classes of stock. Their feeding value is high. Sow from November to January in rows 18 inches apart, or as winter crops under irrigation or on moist vlei soils in March or April. Thin out the plants to 6 inches apart; 4 lbs. per acre.

**White Belgian (Improved).**—A very large variety; root under ground is white and portion above ground green. 3s. 6d. per lb.

**Long Red Altringham.**—An extra fine sort of a large size and fine quality. 3s. 6d. per lb.

**MANGOLD.**—The most valuable root crop for a dairy farm. It adds to the quality and quantity of milk and can be left in the ground for months until required. Pigs are also very fond of it. Should always be grown on well-manured land. Sow from December to January, 8 lbs. per acre, drilled in rows 2-2½ feet apart, and plants thinned out to 10 inches apart in the row. Irrigated or on moist vlei lands, sow from February to April, 8 lbs. per acre, drilled in rows 2-2½ feet apart, or sown in seed beds and transplanted.

**Mammoth Long Red.**—Best variety for deep well-worked rich land. 2s. per lb.

**Rivenhall Giant.**—Small top, solid; exceedingly robust and prolific. 2s. per lb.

**Champion Yellow Gatepost.**—The finest for shallow soils; exceedingly hardy and keeps well. 2s. per lb.

**Half Sugar, Giant White.**—A cross between a Mangel and Sugar Beet; very nutritious and grows to a fair size. 2s. per lb.

**Half Sugar, Giant Rose.**—Similar to Giant White, tinged pink on top of root; equally hardy and productive. 2s. per lb.

**KOHL RABI.**—A splendid winter stock feed, more hardy and less subject to fly attack than Turnips. Also an excellent winter crop sown under irrigation or on moist vlei soils in March or April.

**Large Green.**—The best variety for farm purposes. 3s. per lb.

**RADISH, FIELD.**—As a valuable stock feed this root crop is highly recommended, especially for sowing during February and March, in drills 24 inches apart, and thin out to 9 inches between plants, 8-12 lbs. per acre. Will not keep when mature, so must be fed off rapidly. Suitable for cattle, sheep or pigs, where suited to being fed off on the land.



**Mangel, Champion Yellow Gatepost.**

**Vilmorin's Improved.**—A selected stock saved from transplanted roots only. 3s. 6d. per lb.

**SUGAR BEET.**—The roots make an excellent food for dairy stock; also used for sugar production. Cultivation similar to Mangolds, but plants may stand closer in the rows, and soil should be worked more deeply. Sow December to January, 10-12 lbs. per acre. Irrigated February to March, 15-20 lbs. per acre in drills 2 feet apart.

**Waite's Improved.**—The most profitable and suitable for all purposes. Exceptionally fine for growing under irrigation. 2s. per lb.

**SWEDES, FIELD.**—This is a crop which should be more largely grown, as we have had excellent reports on same on both black and sand vleis. Sow from January to April in rows 2 feet apart, and thin out later to 8 inches between plants, 4-6 lbs. of seed per acre.



**Swede, Premier Improved.**

**"Premier Improved" (Sharpe's).**—The best general purpose Swede in cultivation. Flesh solid and of excellent quality, roundish oblong in shape and very hardy. 2s. per lb.

**TURNIP.**—For growing on wet vleis or under irrigation as a winter crop, the following varieties are highly recommended and of excellent keeping quality. Sow February to April in rows 2 feet apart, and thin out to 8 inches between the plants, 4-6 lbs. of seed per acre.

**Aberdeen Yellow, Green Top.**—This variety is a free and rapid grower. Its vigorous habit of growth enables it when once established to offer a greater resistance to drought than other varieties. 1s. 6d. per lb.

**Purple Top Mammoth.**—The largest and best of the white fleshed Turnips; very early, and a great favourite in South Africa. 1s. 6d. per lb.

**SWISS CHARD, Giant Lucullus.**—One of the most easily grown and valuable forage plants for stock feeding. Treated in the same way as Mangolds, stock

eat it greedily, and it is highly nutritious. Sow December to February in drills 2 feet apart, 12-15 lbs. per acre. 3s. 6d. per lb.

**CATTLE MELON.**—Will grow and yield well on all kinds of soil, particularly on light sands. Sow from October to December in hills, 8 feet by 8 feet between plants; 4 lbs. will plant one acre.

**Majorda.**—The finest cattle melon for Rhodesia; very heavy cropper. Our seed is saved from selected melons only and from a prize-winning stock. 3s. per lb.

**Colonial Mixed.**—Highly recommended. 1s. per lb.

**CABBAGE.**—A grand crop for cows and pigs, and one which no dairy farmer should be without, especially during winter. Sow for winter feed December to January in beds. Transplant when 6 inches high under irrigation or to moist vlei soils; 1 lb. of seed will raise sufficient plants for one acre.

**Robinson's Champion Drumhead.**—Largest of all the cattle varieties, rather coarse and leafy, but gives a great weight per acre. 5s. per lb.

**CHOU MELLIER.**—A variety of Kale of recent introduction; a large and vigorous grower. The stalks as well as leaves can be fed to stock, being solid, sweet and juicy. Sow in seed bed December to January; transplant similar to Cabbage; 1 lb. of seed will give sufficient plants for one acre. 4s. per lb.

**PUMPKIN.**—As a cattle or pig feed Pumpkins can hardly be surpassed. Sow from September to mid-December, 4 lbs. seed per acre, in hills, 8 feet by 8 feet apart.

**Ironbark (Imported).**—A strain we import direct from Australia. As local Pumpkins get so badly hybridised, a change of seed every other year is essential. 4s. per lb.



**Turnip, Aberdeen Yellow.**

**Ironbark (Local).**—A splendid keeper, and travels well; for size it is unexcelled. 1s. 6d. per lb.

**Boer.**—Similar to Ironbark for quality, but does not keep so well. 1s. 6d. per lb.

**RAPE.**—A valuable winter fodder plant for green soiling or grazing, easily grown, very hardy and possesses remarkable fattening properties. Of particular value for sheep and pigs either under irrigation or on wet vlei soils. Sow January to April, broadcast 10-12 lbs., drilled 4-6 lbs. per acre.



**Broad-Leaved Essex.**—The finest variety in existence, and highly recommended. 1s. per lb.

**SWEET POTATO.**—These form an excellent substitute for ordinary Potatoes, also are excellent as a stock feed for fattening purposes. Vines and tubers can be fed with advantage to all classes of stock. Cuttings of the following varieties may be had during November and December. Set the cutting horizontally on ridges with both ends protruding 2-3 inches; firm the soil around each cutting.

**N.B.**—All root crops require to be sown on well-manured land.

**Early Butter, Common Pink, Early Red.**—Per bag, 7s. 6d. net.

**THOUSAND-HEADED KALE.**—A valuable winter fodder plant for stock of every kind, yielding immense quantities of green fodder; grows 4-5 feet high, and can be fed down twice and sometimes three times during the season. Specially recommended for March sowing on wet vleis. Sow from December to April in drills 3 feet apart, and thin out later where necessary; 4-6 lbs. will sow one acre. 2s. 6d. per lb.

## Winter Cereal Crops.

**BARLEY (Early Cape).**—Winter irrigated or on moist vleis soils for grain or green fodder, sow April to May, 60 lbs. per acre. For pasturage, February to April, 80 lbs. per acre.

**Chevalier.**—The well-known English variety, has been proved a success either as a summer or winter crop in Rhodesia.

**BARLEY-WHEAT.**—Another variety of Barley which threshes out with a clean grain like Wheat. Specially recommended as a green fodder or for Barley Meal; a heavy cropper. Not suitable for malting purposes. Sow February to April, 50 lbs. per acre broadcast.

**EMMER.**—A valuable cereal for green fodder or grain on account of its hardness and drought-resisting qualities; matures rather later than Barley, but grows as tall as Rye and much more leafy. Sow February to April, 80 lbs. per acre broadcast or 60 lbs. drilled.

**OATS.**—Oats are grown as a winter crop either under irrigation or on wet vleis soils. for grazing, green fodder, oat fodder or grain. Sow from February to June, 50-60 lbs. per acre drilled or broadcast.

**Algerian (Selected).**—Slow maturing, but very hardy and of special importance owing to its rust-resistance, on which account it can be sown as early as February on soils which dry out rapidly. Inclined to be coarse in straw, but always a safe crop.

**Boer.**—Earlier and produces a better quality Oat forage than Algerian, but is more liable to rust. The best variety for sowing under irrigation where rust is not to be feared. Requires a rich soil.

**Burt.**—Possesses similar qualities to Boer, but is rather earlier; does better on poor soils, and is more resistant to rust.

**Kherson, or 60 Day.**—A very quick variety; 3-4 months; excellent quality, and very reliable. Well recommended as a summer crop for sowing first week in January, but equally valuable as a winter crop.

**Kinvarra.**—Similar to Kherson, but rather earlier and slightly fatter grain. Withstands rust to a remarkable degree.

**RYE (Selected Seed).**—A winter hay, green fodder or grain crop. Very hardy, and will grow better on poor sandy soils than any other winter cereal. Of special value on sand vleis. Resistant to rust, and, like Algerian Oats, can be sown early. Treat as for Oats or Barley. Sow February to April, 60 lbs. per acre, drilled or broadcast.

**WHEAT.**—Our stocks of Seed Wheat are all specially selected, and we can assure our customers of getting the very finest grain for purity and germination. Sow during April and May in drills 50-60 lbs. per acre.

**Klein Koorn (Bearded).**—An excellent yielder, requires a rich soil, semi-hard grain.

**Early Australian (Beardless).**—Soft variety, highly reported on as a heavy cropper.

**Union 17 (Beardless).**—Good cropper of excellent quality soft grain.

**Puza No. 4 (Beardless).**—Recommended for earliness, yield and quality of grain.

**Early Gluyas (Beardless).**—A satisfactory variety, very early and yields well.

## Miscellaneous Crops.

**BEANS.**—All the following varieties can be sown from mid-November to January, 40 lbs. per acre, drilled in rows 2 feet by 8 inches:—

**Red Canadian Wonder.**—Selected hand-picked seed; the best variety for green bean purposes.

**White Canadian Wonder.**—Similar to the Red variety; more useful as a dry Bean.

**White Haricot.**—Similar to White Canadian, but smaller and more plump seed.

**Natal Sugar.**—Useful as a green or dry Bean Vegetable.

**White Butter.**—The large Kidney Bean; only recommended for use as a dry bean.

**Tepary.**—A small type of Haricot, valuable on account of its drought resistance and quick maturity.

**BEANS, VELVET.**—A legume which enriches the soil in a wonderful manner, and is largely grown for this purpose alone. All stock are also very fond of it, either as hay or ensilage. The dry beans when mature make a magnificent bean meal. For hay, seed or silage, sow mid-November to December, 30 lbs. per acre planted in rows 3 feet by 12 inches. For green manure, mid-November to January, 60 lbs. per acre, planted in rows 3 feet by 8 inches, or a heavier seedling broadcast.

**White Stingless.**—A much improved variety on the old Florida Velvet.

**BEAN, DOLICHOS.**—A strong growing annual or perennial Bean, giving a heavy yield of hay or green fodder. Slow growing, and should be sown as early in the season as possible. Sow as for Velvet Beans.

**Woodford's Brown.**—One of the best varieties for Rhodesia.

**COW PEAS.**—A reliable fodder or green manuring plant. Matures more quickly than Velvet Beans and grows vigorously on poor sandy soil. Sow for hay or seed mid-November to December, 20 lbs. per acre, in rows 3 feet apart. For green manure, mid-November to January, 30 lbs. per acre, in rows 2 feet apart.

**DHAL.**—A perennial Bean crop; will last 3-4 years, and gives a heavy yield of Beans which are suitable for table use or for stock feed. Sensitive to frost, and should be grown in sheltered situations above frost level. Sow in drills October to December, 4 feet by 2 feet apart, 8-10 lbs. seed per acre.

**LINSEED.**—An essential stock feed and medicine on every farm. Is, however, very fattening, and must be used, especially for poultry, with discretion. Sow November to December, 20-30 lbs. drilled, 30-60 lbs. broadcast per acre.

**White Flowered.**—So far this is the best yielder for Rhodesia.

**BUCKWHEAT.**—A valuable quick-growing catch crop, which in favourable weather will produce a heavy growth in a few weeks. Can be sown from November to February; broadcast, 40 lbs. per acre.

**Japanese.**—This variety produces the largest grain and is recommended for Rhodesia.

**GROUND NUTS.**—This is a highly nutritious stock feed, and one for which there is also a demand for oil and soap manufacture. The cured vines form an excellent leguminous hay. Sow early in November in drills 24-30 inches apart, 6-8 inches between the nuts and about 2 inches deep. Seed should be hulled before planting, or at least the shells should be broken in two, 30 lbs. of shelled nuts planting one acre. One bag of unshelled nuts will plant about two acres.

**Spanish Bunch.**—This variety is superior to all others grown, both for yield of forage and seed.

**KAFFIR CORN.**—This is really a first-class poultry food, and should be grown by all poultry farmers. Sow November to December in rows 3 feet apart, and thin out the plants to 12-15 inches apart in the rows; 6-8 lbs. seed per acre.

**White Seeded.**—The most useful variety for poultry food.

**BOER MANNA.**—A hardy annual fodder crop, matures in about four months; recommended for newly cultivated virgin land. Sow November to January, 15-20 lbs. broadcast per acre.

**JAPANESE MILLET.**—Much relished by horses and mules, as the heads are free from bristles; particularly suited for ill-drained soils of districts of heavy rainfall. Sow November to January, 15-20 lbs. broadcast per acre.

**SUNFLOWER.**—The seed makes an excellent poultry food, and also yields an oil of high quality. The stalks when burned make a highly valuable potassic manure; also, the leaves if cut and air dried, then broken into meal, form a valuable ingredient for poultry mashes. Sow from November to January in drills 40 inches by 15 inches, 8-10 lbs. seed per acre.

**Black Russian.**—The seed is small, but produces enormous heads.

**Common.**—Seed is striped; plants are very tall and productive.

**PEAS (Field Varieties).**—Our stocks of Peas are of the highest quality, all being "rogued" whilst in flower, thereby ensuring pure seed. Can be sown with planter in drills 2 feet apart, 60-70 lbs. seed per acre.

**Black-Eyed Susan.**—A sure cropper and very hardy; succeeds best as a summer crop.

**Stratagem.**—A marrowfat variety; splendid cropper; height 2½-3 feet.

**Yorkshire Hero.**—A dwarf marrowfat; one of the best varieties for Rhodesia.

**KUDZU VINE.**—A perennial, drought-resisting legume. One of the latest and most promising grazing crops introduced; even in dry land makes a luxuriant growth of succulent herbage in August and September, and quite independently of the spring rains. It surpasses Lucerne, Cow Peas or Velvet Beans in feeding value. Highly recommended by the Agricultural Department. Requires 2-3 years before fully established. Sow in November or December as for Pumpkins, 8-10 seeds per hill, or in tins in winter for transplanting in December and January. Once established, can be further propagated by runners.

**NIGER OIL or GUIZOTIA.**—A tall upright bushy plant, attaining a height of 3-4½ feet in 3-4 months; requires 5-6 months to mature seed; flowers yellow. An oil seed, but primarily suitable as an orchard cover crop or for green manuring. Recommended for summer sowing only; 10-15 lbs. seed per acre broadcast.

**SUNN HEMP.**—An annual legume. Well reported upon as a soil improver. Not a fodder crop. Either the whole crop or roots only can be ploughed in with benefit to the soil. Is ready for turning under eight weeks after sowing. For fibre, sow during December, 60 lbs. per acre; for green manuring, December to January, 40-50 lbs. per acre drilled or broadcast.

**RICE, HONDURAS.**—A valuable summer cereal for wet, swampy soils. Yields heavily. Crop requires six months to mature. Sow early October to November, 18-20 lbs. seed per acre.

**VETCHES.**—A valuable irrigated crop, or if sown together with any of the winter cereals, for green fodder. Drilled or broadcast, 50-60 lbs. seed per acre.

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Flowers of Sulphur dusted on the leaves of Marrows, Melons and Cucumber keeps mildew away.

To destroy leaf-eating insects on Tobacco and other plants, use ARSENATE OF LEAD (Poison).



## Tobacco.

Tobacco growing is now one of the most profitable branches of farming, and the industry is expanding rapidly. The stabilisation of the Imperial Preference at 2s. per pound for ten years will give an additional impetus to tobacco growing in the Colonies.

Good seed is the basis of all profitable crop production, and this especially applies to Tobacco. We have taken great care to obtain supplies of tobacco seed—both local and imported—from reliable sources. The seed supplied by us has been produced from plants specially selected and carefully cared for.

Great care should be taken in the preparation, sowing and attention of the seed beds. The site selected should be handy to permanent water, well sheltered and as level as possible. Soil should be sterilised by burning with open fires, each bed enclosed with burned bricks and the surface brought into fine tilth before sowing. Seed should be sown at the rate of one ounce to 120 square yards of seed bed. Seed can be distributed through the medium of sifted wood ash or a watering can full of water. Twenty square yards of seed bed should be allowed for each acre of Virginia tobacco to be grown and 100 square yards for each acre of Turkish.

and the character of the soil. For flue cured bright leaf Hickory Pryor is the best variety for general use. This variety yields well, is easily cured and thrives on a variety of soils. Goldfinder, Hester and Oak Hill Yellow also give good results when grown for flue curing.

Fire-curing tobacco should be grown on heavy clay and alluvial soils, or if sandy soil is used it should be heavily fertilised or manured. Western and Blue Pryor are the most suitable varieties.

Warne is a variety which when grown on sandy soil is suitable for flue curing, and when planted on heavy soils will produce leaf suitable for fire curing.

In flue curing the utmost care and attention is required. The rate of curing is regulated by the heat and moisture within the curing barn, and the proper manipulation of these depends upon the skill of the person in charge. Flue-curing barns are built practically airtight, and are provided with a furnace and flues for the distribution of heat. Moisture is supplied artificially. It is necessary that the person in charge of the curing should understand the changes which take place in tobacco during curing in order that he may be able to properly regulate the temperature and moisture during



Tobacco plants properly primed. Photographed on  
Msorodoni farm, property of L. S. Myring, Esq.

Previous to sowing, the soil should be treated with 4 lbs. of Complete Fertiliser to each 10 square yards of seed bed, and the fertiliser should be thoroughly worked into the surface soil. As soon as the beds have been sown the soil should be properly watered, and should not be allowed to become dry thereafter. One pound of Nitrate of Soda dissolved in 8 gallons of water is a stimulating solution for the seedlings. This quantity is sufficient for 20 square yards, and the beds should be well watered with clean water immediately after applying the Nitrate solution.

As a control measure of bacterial or fungoid diseases the seedlings should be sprayed with "Bordeaux" Mixture, 8 lbs. to 50 gallons of water, which amount, if properly applied, is sufficient for 250 square yards.

The variety of tobacco to be grown will depend principally on the method by which the leaf is to be cured

the process. It is not the aim of these notes to give detailed information in regard to any particular operation in connection with tobacco culture, but suitable literature is obtainable. In fire curing the tobacco is placed in a closed building, and the rate of curing is regulated by means of open wood fires. The smoke from the fires passes through the tobacco and imparts to the cured leaf a characteristic flavour and aroma.

After curing tobacco requires very careful handling, or the leaf may be damaged or destroyed. If packed too dry the leaf will be damaged through breakage, and if too moist it will lose colour or be destroyed by mould.

For full cultural, curing and handling methods, growers are advised to purchase a copy of "Tobacco in South Africa," by H. W. Taylor, B.Agr. Copies may be obtained on application. Price 25s. net.

## Varieties suitable for Flue Curing.

**HICKORY PRYOR.**—The standard bright leaf variety. Thrives on most tobacco soils and is easily cured.

**GOLDFINDER.**—This variety is well adapted for light sandy and contact soils. Leaf of good length and width.

**HESTER.**—For bright leaf this variety does well on light sandy and contact soils. Leaf is fairly long and medium width.

**OAK HILL YELLOW.**—A bright leaf variety, yields well, highly reported on by some growers.

## Varieties suitable for Fire Curing.

**WESTERN.**—A highly recommended variety for growing on heavy clay and alluvial soils.

**BLUE PRYOR.**—One of the best varieties for dark heavy leaf. Leaves long and of good width.

**WARNE.**—This variety is adaptable to flue or fire curing, according to the soil on which it is grown.

## TURKISH.

**IMPROVED SOULOOK.**—The most adaptable variety for soils suitable to Turkish leaf.

## Cotton.

The climate is an important factor in the production of cotton when grown on a commercial scale. Cotton requires an abundance of sunshine, together with an evenly distributed and moderate rainfall; also a growing period of fully six months. The plant itself is very susceptible to frost, and it is therefore imperative that to be successfully produced on a large scale advantage must be taken of our early rains. Where early frosts are prevalent, the farmer can do much to assist his crop by planting in warm and well sheltered fields. The ideal rainfall is when the first soaking rain falls early in

cross ploughed after the first spring rains have fallen. The land is then brought into good tilth by the use of disc and drag harrows. During the first few weeks the plants are very delicate, and a properly prepared seed bed will help in securing the maximum results. Cotton has been proved to be suitable as a rotation crop with maize or tobacco.

The normal season for planting is during November, in order to give the crop the longest possible period of time in which to mature. The seed is either planted by hand or a specially constructed planter. A spacing



Correct way of picking cotton.

the season, and later sufficient is required to keep the plants growing continuously. The harvesting period should have little or no rain, the maximum amount of sunshine, with an even temperature.

The cotton plant will thrive on the better class granite sand soils where the soil is not too shallow; also on sandstone light loams and contact soils. When planted on rich soil a prolific vegetative growth is the usual result. In common with other crops the thorough preparation of the soil is essential. The soil should be ploughed during the late rains or early in winter, then

of  $3\frac{1}{2}$  feet between rows is recommended for most of our soils, and 8 to 10 inches between the plants in the row. A machine should plant the seed in a continuous line, while with hand planting the seeds are put 3 to 5 together at 8 to 10 inch intervals at a depth of 1 inch. The quantity of seed required per acre for machine planting is 12 to 15 lbs., and for hand planting 8 to 10 lbs.

Thinning out takes place when plants are about 6 inches high, when one plant is left standing every 8 to 10 inches along the row.



Cultivation should commence as soon as the rows of young plants can be readily seen and followed. The first cultivation should be deep, and subsequent cultivations should only stir up the first 3 inches of soil. As soon as the plants reach the flowering stage cultivation must cease.

another, also the clean from dirty seed cotton. Seed cotton should not be picked when it is wet, i.e., after rain or heavy dew. Rather delay picking until the sun is well up.

The crop is then packed in woolpacks and sent to the ginnery, where the lint is separated from the seed.



Incorrect way of picking cotton.

The seed cotton is fit for picking when the boll is well open and the lint dry. The crop is usually harvested in three to four pickings, commencing when about a third of the crop of bolls have burst. The different pickings are best kept separate from one

## Seed.

**IMPROVED BANCROFT.**—This variety has so far proved to be the most suitable. All seed offered is graded by the Government experts and each bag sealed.

## Coffee.

The production of this crop is still very much in the experimental stage. From reports, success has been obtained in Melssetter and Macequece districts, whilst various parts of Northern Rhodesia have proved suitable. The following information is given for those who are interested in this new crop, and must not be taken as hard and fast rules for seeding and transplanting.

**SEED BEDS.**—These should be carefully prepared as for tobacco. The berry, which contains two coffee beans, should then be opened and each bean placed on the surface of the bed or in a shallow line, flat side down, and covered with **not more than half-an-inch** of fine soil. This is very important, and many people are disappointed by placing too much soil on the seed. The best time for sowing the seed is during July and August, when the berries are fresh and ripe; if properly sown and the beds kept moist 100 per cent. germination is usual. The young plants should be shaded—if possible the bed should be shaded with muslin, grass or other material available when seed is planted. The seeds germinate in about six weeks. They should be placed 3 inches apart in the beds.

Opinions differ in regard to planting out, but from experience the best time is to plant in January or February, when the plants will have about five leaves or even less. The land must be well prepared by

ploughing and digging, and then plant 8 to 10 feet apart. The ground should be holed about 2 feet deep and 2 feet wide; this should be done several weeks before it is intended to plant out. The sub-soil should not be put back into the hole when planting.

Coffee is an exceedingly hardy plant when once rooted, but if it is to bear heavy crops it must be well manured either with kraal manure or fertiliser.

Shade trees should also be planted, for which Grevillea Robusta is recommended.

**LAYING OUT A COFFEE PLANTATION.**—Hillsides and deforested areas are the best, with a northern exposure. Stony ground is suitable if the soil is good. Irrigation is an advantage, and probably in some parts a necessity.

During the first two seasons it will not harm the coffee if a catch crop of maize or beans is grown between the rows—mealies make very good shade for the young plants. Shade is an essential to successful coffee growing, as it is naturally a forest plant. It will not stand frost, and should, where possible, be grown in a sheltered position.

**ARABICA.**—Of the Robusta type, with a flavour and quality which are unsurpassed.

**BLUE MOUNTAIN.**—A Jamaica variety, disease resistant and a heavy yielder.

## *Garden Implements, etc.*

Our stocks are large, and comprise the most up-to-date Farm and Garden Tools.

N.B.—All prices are subject to alteration without notice and less 10 per cent.—30 days, unless otherwise quoted.

ADZE, heads only, best steel, 10s. 6d. each.

ATOMIZERS, the ideal sprayer for small plants and bushes: galvanised, 5s. each; brass, 10s. 6d. each.

BAMBOO POLES, 12 to 15 feet.

BASKETS, wood chip, suitable for fruit: 4 lb. size, 4s. 6d. doz.; 6 lb. size, 5s. 6d. doz.; 8 lb. size, 6s. 6d. doz.

BASKETS, hanging, made with strong galvanised wire, 10 in., 3s. 6d.; 12 in., 4s.; 14 in., 5s.; 16 in., 5s. 6d.

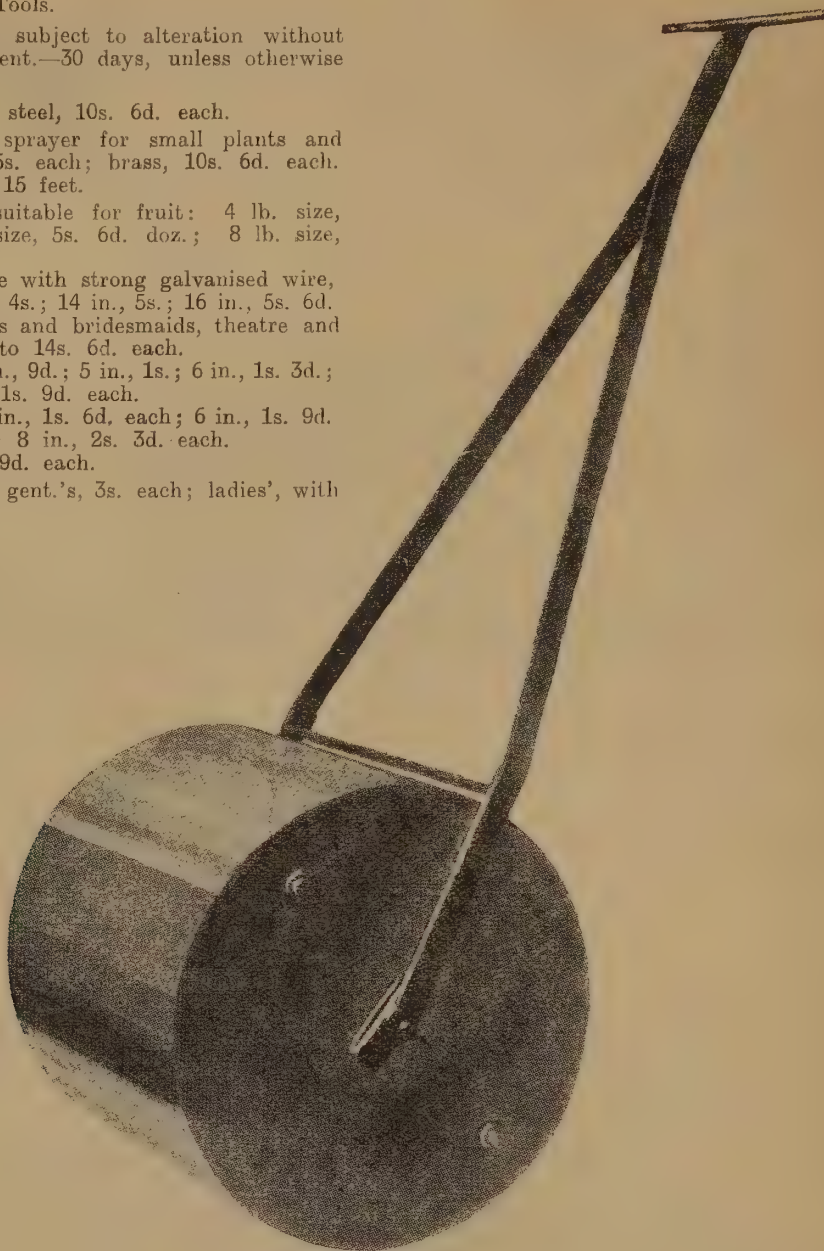
BASKETS, for flower-girls and bridesmaids, theatre and gipsy shape, 5s. 6d. to 14s. 6d. each.

BOUQUET PAPERS: 4 in., 9d.; 5 in., 1s.; 6 in., 1s. 3d.; 7 in., 1s. 6d.; 8 in., 1s. 9d. each.

BOUQUET FRAMES: 5 in., 1s. 6d. each; 6 in., 1s. 9d. each; 7 in., 2s. each; 8 in., 2s. 3d. each.

BOUQUET HANDLES: 9d. each.

BUTTON-HOLE TUBES, gent.'s, 3s. each; ladies', with safety pin, 4s. each.



**Garden Roller.**

CARNATION STAKES, wire spiral, very durable: 18 inches, 2s. 6d. doz.; 24 inches, 3s. 6d. doz.; 36 inches, 4s. 6d. doz.

CORK, Virgin, for rustic work, per lb., 2s.

CULTIVATORS, "Norcross," "Midget," 3s. 6d.; 3 prong, 5s. 6d.; 5 prong, 8s. 6d. each.

DIBBLERS, 4s. 6d. each.

EDGING IRON, for trimming grass edges, 6s. 6d. each.

FLOWER POTS, galvanised: 4 in., 14s.; 6 in., 20s.; 8 in., 33s.; 10 in., 53s. per doz.

" Green painted: 4 in., 10s.; 6 in., 15s.; 8 in., 26s.; 10 in., 33s. per doz.

FLORAL AIDS, from 6d. to 1s. 6d. each.

FORKS, Potato, 4 flat prongs, 8s.

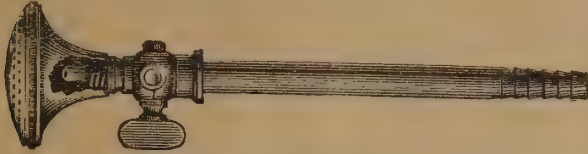
" Digging, solid steel square prongs, "D" handles: Ladies' size, 7s.; 4 prong, 8s.; 5 prong, 9s.



FORKS, Digging, square prongs, "T" handles: 4 prong, 7s.; 5 prong, 8s. 6d.  
 ,, American Manure, 4 prong, 8s. 6d. each.  
 ,, Hay, 2 and 3 tined, 8s. 6d. and 9s. 6d. each.  
 ,, Weeding, hand: 2s. each; long handle, 3s. each.

GARDEN LINES, 30 yards, 4s. 3d.; 60 yards, 8s. 6d.

GARDEN PENCILS, Wolf's indelible, 9d. each, net.



**Garden Branch Pipe.**

GARDEN BRANCH PIPES, with rose and jet,  $\frac{1}{2}$  in., 2s. 9d.;  $\frac{3}{4}$  in., 4s. 9d.; 1 in., 8s. each.

GARDEN REELS, 4s. each.

GARDEN SETS, Gents' and Ladies' sizes: 16s. 6d. and 22s. 6d.

GARDEN ARCHES: 7 ft. high, 12 inches wide, 57s. 6d. each; 7 ft. high, 18 inches wide, 67s. 6d. each; 7 ft. high, 24 inches wide, 74s. each.

HOES, Dutch: 4 in., 3s.; 5 in., 3s. 6d.; 6 in., 4s.; 7 in., 4s. 6d.; 8 in., 5s. each.

,, Vine, 3 and 4 prong, 5s. 6d. and 6s. 6d. each.

HOOKS, Reaping: No. 1, 4s. 9d.; No. 2, 5s.; No. 3, 5s. 6d. each. With cranked handle: No. 1, 5s.; No. 2, 5s. 6d.; No. 3, 6s. each.

,, Clips:  $\frac{1}{2}$  in.,  $\frac{3}{4}$  in. and 1 in., 6d. to 9d. each.

HOSE, "Goodrich" Electric Garden:  $\frac{1}{2}$  in., 1s.;  $\frac{3}{4}$  in., 1s. 3d.; 1 in., 1s. 8d. per foot. Special quotations for quantities.

HANDLES, for Hoes, Planters', 3 ft., 3s. 3d.; 4 ft., 4s. each.

,, for Adze, 3s. 6d. each.

,, for Mattocks, 2s. 9d. each.

,, for Shovels, 3s. each.

,, for Spades, 3s. 6d. each.

,, for Rakes, ash, 5 ft., 2s. 6d.; 5 $\frac{1}{2}$  ft., 3s. each.

,, for Picks, oval eye, 2s. 9d. each.

,, Universal Pick: No. 1, 3s. 6d.; No. 2, 4s. each.

HYGROMETERS, Tobacco barn. Prices on application.

INDELIBLE INK, for use on zinc labels, 1s. per bottle.



GARDEN BORDER WIRE FENCE, 12 inches high, 1s. 3d. per foot.

GARDEN ROLLER: The roller itself is made from wrought iron one-eighth of an inch in thickness; the handle (of bar iron) is braced for strength. The roller is carefully balanced and easily rolled. Capacity, 36 gallons; roller, 127 lbs., when filled with water, 487 lbs.; size of roller, 2 ft. x 1 ft. 11 in. Price complete, £8 net.

GLOVES, Men's, 7s. 6d. to 10s. 6d. pair; Ladies', 6s. 6d. to 8s. 6d. pair.

HEDGE BILLS, half cutting over and Scotch slashers.

HOES: "Planter's" (heart-shaped) with eye, 3s. 3d. each; 36s. per doz.

,, "Bodwe," 2 lbs., 2s. each; 21s. per doz.

,, "Biped," with eye, 2 $\frac{1}{4}$  lbs., 1s. 8d. each; 19s. per dozen.

,, Kaffir Picks, 2 $\frac{1}{2}$  lbs., 12s. per doz.

,, Draw: 4 in., 1s. 6d.; 5 in., 2s.; 6 in., 2s. 6d. each.

KNIVES, Budding: 224 $\frac{1}{2}$ , 10s. 6d.; 223 $\frac{1}{2}$ , 7s. 6d.; 224, 10s.; 235 $\frac{1}{2}$ , 9s. 6d. each.

,, Pruning: 247, 7s. 6d.; 244, 8s.; 648, 5s. 6d.; 236, 4s.; 244 $\frac{1}{2}$ , 7s. 6d.; 614 stag, 8s.; 238, 9s. 9d.; 139, 6s. 6d. each.

GRAPE THINNING SCISSORS: 225, 5s. 6d. pair.

FLOWER GATHERING SCISSORS: 227, 6 in., 5s. 6d. pair.

PRUNING SCISSORS: 226, 5 $\frac{1}{2}$  in., 5s. pair; 226, 6 $\frac{1}{2}$  in., 6s. 6d. pair.

LABELS, Yeats' Metallic, 1s. 9d. per box of 12.

,, Zinc, as illustrated. Prices on application.

,, Wood, painted: 6 in., 3s. 6d.; 7 in., 4s. 6d.; per 100.

,, Wood, plain: 4 in., 2s. 6d.; 5 in., 3s.; 6 in., 3s. 6d.; 7 in., 4s.; 8 in., 4s. 6d.; 9 in., 6s. 6d. per 100.

LEAD WIRE RIBBON, for tying zinc labels on trees, 1s. 3d. per box.

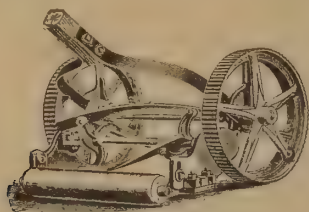
## W. SAYNOR'S BEST GARDEN KNIVES AND SCISSORS.



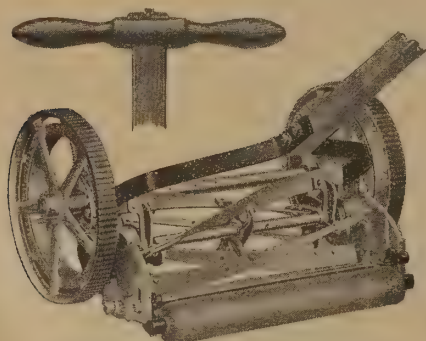
- LAWN SPRINKLERS, "Mysto," revolving, 4 arm, stands 4 feet high and throws spray 30 ft. in diameter, 25s. each.  
 " " "Dew," revolving, with iron spike, 7s. each.  
 " " "Sled," revolving, on iron base, 13s. each.

## LAWN MOWERS—

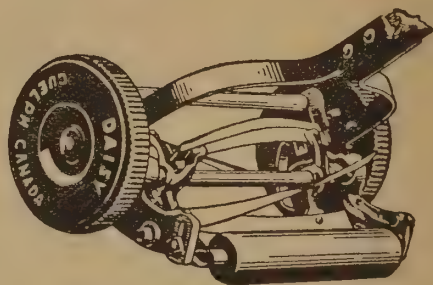
**Taylor, Forbes Co., Canada.**—This make of Canadian Mowers excels all others we have tried, and we have every confidence in recommending them to our customers.

**Lawn Mower—Star.**

"Star," 3 blade.—A light mower; can be used by a lady; 12 in., 60s.; 14 in., 65s.

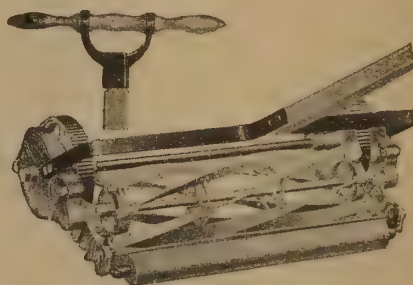
**Lawn Mower—Empress.**

"Empress," 4 blade.—Suitable for large lawns and public parks; ball-bearing: 14 in., 85s.; 16 in., 90s.; 18 in., 95s.; 20 in., 100s.

**Lawn Mower—Daisy.**

LAWN MOWERS, "Daisy," 3 blade.—The cheapest Lawn Mower on the market; strongly constructed, solid wheel with plain bearing: 12 in., 50s.; 14 in., 55s.

" " "Ontario," Compound Triple Gear, 7 blade.—This is the best bowling and putting green mower. A "Super Mower" for Sports Clubs: 12 in., 126s.; 14 in., 129s.; 16 in., 132s. 6d.; 18 in., 140s.

**Lawn Mower—Ontario.**

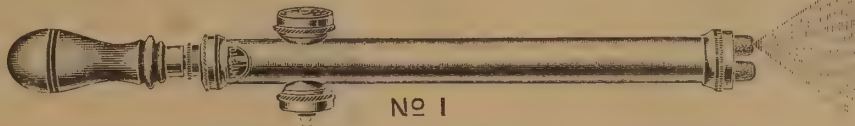
Grass Catchers, for Canadian mowers, No. 10, 8s.; No. 20, 9s.; No. 120, 12s. 6d.

**N.B.**—We stock all spare parts for these Lawn Mowers, and repairs are done by experienced workmen.



MOSS, French, per bundle, 1s.  
 MASTIC L'HOMME, Grafting Wax, 1s. 6d., 2s. 3d.,  
 3s. 6d. per tin.  
 MATTOCKS, Short Cutter, 5½ lbs., 5s. each.  
 " Hoes, 3s. 6d. each.  
 ORANGE CLIPPERS, Tuttle pattern, 12s. 6d. per pair.  
 " " Wiss pattern, 7s. 6d. per pair.  
 PICKS, "Universal," solid steel, 5 lb., 5s.; 6 lb., 5s. 9d.;  
 7 lb., 6s. 6d. each.  
 " Oval eye, 6 lb., 4s. 3d.; 7 lb., 5s. 3d.  
 PRUNERS, Tree, 6 ft. pole, 15s.; 8 ft. pole, 16s. 6d.;  
 10 ft. pole, 18s. 6d.; 12 ft. pole,  
 22s. 6d. each.  
 " "Myticuttah."—A powerful tree pruner:  
 No. 1, 18s. 6d.; No. 2, 12s. each.

SAWS, Pruning, Grecian, curved blade: 14 in., 9s.; 16  
 in., 10s. 6d.  
 " Pruning, Grecian, double edge, 16 in., 10s. 6d.  
 " Pruning, Grecian, Disston pattern: No. 1, 16  
 in., 11s. 6d.; No. 2, 16 in., 10s. 6d.; No. 7,  
 18 in., 9s.  
 " Grape Pruners, 5s. 9d. each.  
 SCYTHES, Sheffield make, 36 in., 10s. 6d.; 38 in.,  
 12s. 6d. each.  
 SCYTHE SNEDS, Aberdeen pattern, 6s. 6d. each.  
 " Stones, genuine Waterloo, 2s. 6d. each.  
 " Strickles, 11 in., 2s. 6d.; 12 in., 3s. each.  
 SEED TESTERS, French porous tray and cover, with  
 metal under-tray, 33s. 6d. each.



**Syringe—Florist's Friend.**

PRUNING SHEARS: No. 450, Cronk's, notched hook,  
 volute spring, 4s. 9d. per pair.  
 " No. 17, Cronk's California  
 pattern, tempered steel blade,  
 volute spring, 6s. per pair.  
 " No. 117, R.B.S., Cronk's, steel  
 blade, ratchet nut, brass  
 spring, 8s. 6d. per pair.  
 " No. 700, Cronk's Rieser pattern,  
 extra quality steel, brass  
 spring and ratchet nut, 17s.  
 per pair.  
 " No. R85, Pexto Rieser pattern,  
 full polished longitudinal  
 brass springs, ratchet nut,  
 8½ in., 13s. per pair.  
 " Firth's Stainless, 7 in., Sheffield  
 made, single cut, rust proof  
 finish, 8s. per pair.  
 " Sword Steel, 7 in., Sheffield  
 made, double cut, zinc rust  
 proof finish, 7s. 6d. per pair.  
 " No. 60, double cut, best Sheffield  
 steel, black finish, 5s. per pair.  
 " No. 100S., Sheffield made, steel  
 blade, black finish, 5s. per pair.  
 PUNNETS, Chip, for Strawberries or Plums, 1s. 6d.  
 doz.; 17s. gross; 1 lb size; net.

SICKLES, No. 1, 10s. 6d.; No. 2, 12s. 6d. per doz.  
 SYRINGES, No. 440, 20 in. x 1¼ in., 30s. each.  
 " No. 442, 20 in. x 1½ in., 42s. 6d. each.  
 " No. 441, 20 in. x 1¾ in., 52s. 6d. each.  
 " No. 445, 18 in. x 1½ in., 22s. 6d. each.  
 " "Florist's Friend," No. 1, 14 in. x 1¼ in.,  
 12s. 6d. each; No. 1, 18 in. x 1½ in.,  
 14s. 3d. each; No. 9, 18 in. x 1½ in.,  
 7s. each.  
 " "Abol" Patent, No. 4, 14 in. x 1 in.,  
 22s. 6d. each; No. 5, 20 in. x 1 in.,  
 27s. 6d. each; No. 6, 20 in. x 1¼ in.,  
 35s. each. Complete with bend attach-  
 ment.



**Syringe—Abol Patent.**

SHEARS, Grass, 5s., 5s. 6d. and 7s. per pair.  
 " Hedge, best Sheffield make, 7 in., ladies' size,  
 6s. 6d.; 8 in., notched, 7s. 6d.; 9 in.,  
 notched, 8s. 6d.



**Spray Pump—Ladywood.**

RAFFIA: White, 1s. 6d. per lb.; in 12 colours, 5s. lb.  
 " Tape, green, on reels, 2s. 6d. each.  
 RAKES, with handles: 8 teeth, 5s.; 10 teeth, 5s. 3d.;  
 12 teeth, 5s. 6d.; 14 teeth, 5s. 9d.; 16  
 teeth, 6s.; 18 teeth, 6s. 6d. each.  
 " Iron, without handles: 8 teeth, 2s.; 10 teeth,  
 2s. 3d.; 12 teeth, 2s. 6d.; 14 teeth, 2s. 9d.;  
 16 teeth, 3s.; 18 teeth, 3s. 6d. each.  
 16 and 18 teeth rakes are recommended for tobacco  
 seed beds,

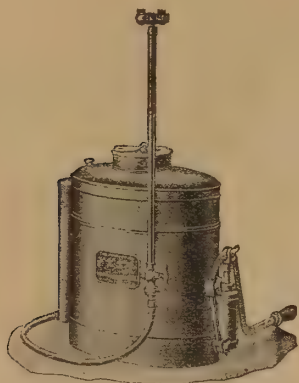
SPRINGS FOR SHEARS, 3s. 6d. each.  
 HANDLES FOR SHEARS, 3s. 6d. per pair.  
 SHEARS, Border, 16s. 6d. each.  
 " Lawn, 21s. 6d. each.  
 SPADES, solid cast steel, in Ladies' or Gent.'s size,  
 6s. 6d. to 15s. each.  
 SHOVELS, square or diamond point, 6s. to 10s. 6d. each.

SPRAYING MACHINES, "Colonial," "Four Oaks"  
 " " " " Bucket Pump, 31s. 6d.  
 " " " " "Crescent" "Mysto" Bucket  
 " " " " Pump, 32s. 6d.  
 " " " " "Ladywood" Spray Pump,  
 " " " " 26s. 6d.

WIRE, Stub or Bouquet, in 7, 9, 10 and 12 in. lengths,  
 2s. 6d. per lb.

WIRE WREATH FRAMES: 12 in., 1s. 3d.; 14 in.,  
 1s. 6d.; 16 in., 1s. 9d.; 18 in., 2s.; 20 in., 2s. 3d.

WIRE CROSS, ANCHOR, CHAPLET, HARP and  
 MASONIC FRAMES, from 2s. to 3s. 6d. each.



**Sprayer—Four Oaks.**

SPRAYER, "Four Oaks" "Knapsack" External Pattern,  
 No. 101, capacity  $3\frac{1}{2}$  gallons, 138s. 6d.

Spare parts of all Knapsack Sprayers and Bucket  
 Pumps kept in stock.

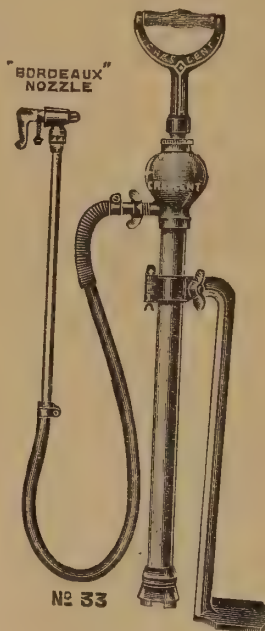
TAP UNIONS, with Rubber Cone:  $\frac{1}{2}$  in., 2s. 6d.;  $\frac{3}{4}$  in.,  
 3s.; 1 in., 4s. 9d. each.

THERMOMETERS, for inside and outside use, 8s 6d. to  
 20s. each.

" Tobacco barn. Prices on applica-  
 tion.

TROWELS, of sizes, 2s. 6d. to 5s. each.

VERANDAH WIRE TRELLIS, 24 in. wide, 2s. per foot.



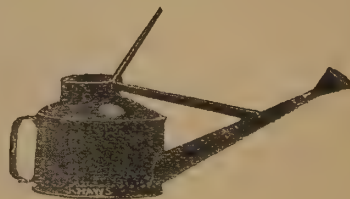
**Revolving Sprinkler.**



**Watering Cans.**

WATER CANS, Galvanised, 1 gall., 7s.; 2 gall., 10s.;  
 3 gall., 13s. 6d.; 4 gall., 15s. each.  
 " " " " Haw's Patent, suitable for seed beds:  
 No. 00, 9s. 6d.; No. 0, 2 qrts.,  
 12s. 6d.; No. 1, 3 qrts., 17s. 9d.;  
 No. 2, 4 qrts., 21s.; No. 3, 6 qrts.,  
 24s.; No. 4, 8 qrts., 28s. 6d.; No.  
 5, 10 qrts., 32s.; No. 6, 12 qrts.,  
 37s.

We can supply extra roses for all of the above sizes  
 at 4s. 6d. each net.



**Watering Can, Haw's Patent.**



# Vermorel "Eclair" Spraying Machines.

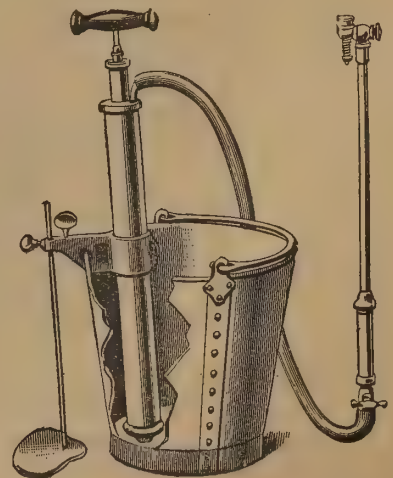
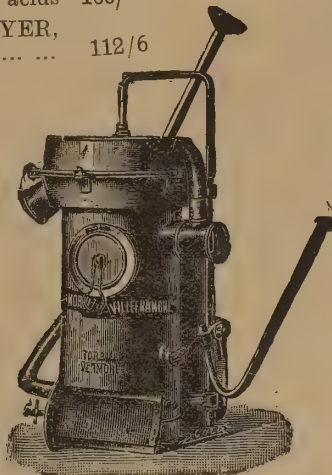
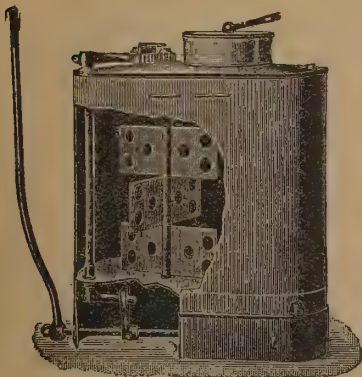


**"Eclair"  
No. 1.**



|                                                                                                                                |      |
|--------------------------------------------------------------------------------------------------------------------------------|------|
| "VERMOREL" BUCKET PUMP ... ..                                                                                                  | 37/6 |
| "TORPILLE" No. 2 KNAPSACK DRY<br>SPRAYER for all Powders.—Capacity<br>20 lbs. ... ..                                           | 46/6 |
| HAND BELLOWS.—1 lb. size ... ..                                                                                                | 12/- |
| " " " 2 lb. size ... ..                                                                                                        | 14/6 |
| "MEDUSE" LAMPS, for the destruction of<br>moths and other injurious night insects<br>in orchards, etc., complete with Tray ... | 42/6 |
| RUBBER TUBING for above Sprayers, per ft.                                                                                      | 1/-  |

|                                                                      |       |
|----------------------------------------------------------------------|-------|
| KNAPSACK "ECLAIR" No. 1—Capacity 3½<br>galls., as illustrated ... .. | 74/-  |
| " " "ECLAIR" in Brass Alloy, for<br>lime sulphur mixtures ... ..     | 77/6  |
| " " "ECLAIR" Plombé for liquid acids                                 | 100/- |
| "NOE" PNEUMATIC KNAPSACK SPRAYER,<br>capacity 2½ galls. ... ..       | 112/6 |



**Bucket Pump.**

## Sprayer, with Blade Agitators.

## Dry Sprayer.

|                                                                                                     |      |
|-----------------------------------------------------------------------------------------------------|------|
| PNEUMATIC HAND SPRAYERS.—Capacity<br>3½ pints, No. 5 ... ..                                         | 35/- |
| KNAPSACK "ECLAIR," with Blade Agitators<br>for spraying thick liquids.—Capacity 3½<br>galls. ... .. | 90/- |

All less 10 per cent. discount.

Illustrated Descriptive List post free on application.  
We can supply spare parts for all the above machines.  
Agents for "Vermorel" Specialities in South-Africa and Rhodesia.

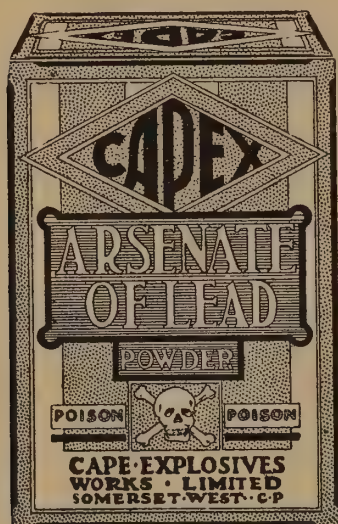
# *Insecticides and Fertilisers.*

## *African Explosives, Ltd.*

### **Farm and Garden Specialities.**

*All prices are net.*

**ANT POISON.**—A highly recommended control for the Brown Argentine Ant. Per 1 pint tin, 2s.; per 1 gall. drum, 12s.



**ARSENATE OF LEAD (Powder).**—A safe, reliable and cheap liquid or powder insecticide and fungicide for farm and garden pests and diseases. The most efficient control for Cotton Pests. Per 1 lb. tin, 2s.; per 5 lb. tin, 7s. 6d.; per 15 lb. tin, 20s.; per 100 lb. cask, 105s.

**ARSENITE OF SODA.**—For the destruction of Ants and Insects in wood; also used as an industrial poison, and forms the basis of many Fly and Ant poisons, whilst being the recommended ingredient for Locust Bait. Per lb., 1s.



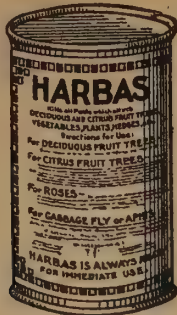
**BORDEAUX MIXTURE.**—One of the best known fungicides, highly recommended for the control of bacterial pests on Tobacco Seed Beds. Per 1 lb. tin, 1s. 3d.; per 4 lb. tin, 4s.; per 8 lb. carton, 5s. 6d.; per 140 lb. cask, 87s.

**COPPER SULPHATE (Blue Stone).**—Used in the making of Bordeaux Mixture, and an excellent preventive against seed eating insects. Per lb., 8d.; per 50 lb. case, 26s.; per 250 lb. case, 117s. 6d.

**GARDEN SPRAYS.**—Box of. Contents: 1 lb. Arsenate of Lead, 1 lb. Bordeaux Mixture, 1 lb. Spreader, 1½ lbs. Sulphur, 1½ lbs. Soil Insecticide, 1 pint Lime Sulphur, 1 lb. Nicotine Sulphate, 2 Measures, Pamphlet on Spraying. Per box, 13s. 6d.

**KATAKILLA INSECTICIDE.**—The ideal non-poisonous wash for Vegetable and Fruit Pests, ready for use when mixed with cold water. Pkt., to make 10 galls., 1s. 9d.; pkt., to make 50 galls., 5s.





**HARBAS INSECTICIDE.**—Kills all pests which attack Deciduous and Citrus Fruit Trees, Vegetables, Plants, Hedges, etc. "Harbas is ready for immediate use." Per 1 pint tin, 2s. 3d.; per 1 gall. drum, 8s. 6d.; per 5 gall. drum, 37s. 6d.; per 45 gall. drum, 7s. per gall.



**LIME SULPHUR.**—Undoubtedly the best of all Winter Sprays, either used as an Insecticide or Fungicide. Per 1 pint tin, 1s. 3d.; per 1 gall. drum, 14s. 6d.; per 5 gall. drum, 17s. 6d.; per 45 gall. drum, 146s. 3d.

**LYE (Caustic Soda).**—90-93 per cent. Specially prepared for horticultural purposes. Per 10 lb. tin, 6s. 3d.

**MOLE AND VERMIN FUMIGATORS.**—These fumigators are devised for the eradication of burrowing pests such as Jackals, Moles, Rabbits, Rats, Snakes, etc.; also Ants in Ant Heaps. Per case of 50 cartridges, 7s. 6d.; per case of 250 cartridges, 30s.

**NICOTINE EXTRACT (8 per cent.).**—A perfect Spray for Aphis and other soft-bodied Insects. Per pint tin, 3s. 6d.; per 1 gall. drum, 20s.

**NICOTINE DUST (3 per cent.).**—Specially prepared as a standard remedy against Black Peach Aphis, Cabbage Aphis, Melon Aphis, Cabbage Moth, Grubs, Pumpkin Beetles and Green Fly. Per 1 lb tin, 1s. 8d.; per 9 lb. drum, 11s. 3d.; per 45 lb. drum, 42s. 3d.

**NICOTINE EXTRACT (40 per cent.).**—A concentrated form of this highly efficient Spray; also exterminates Scab and Lice on Sheep and Goats. Per 2 lbs. 19s.

**RESIN WASH.**—A safe efficient summer Spray for all Fruit Trees, etc. Will eradicate Red, Soft and other Scale, Woolly Aphis and Mealie Bug. Per 1 gall. drum, 8s.; per 5 gall. drum, 35s.

**SPREADER, UNIVERSAL.**—Increases the efficiency of Fruit Tree Sprays. Per 2 lb. tin, 1s. 3d.; per 30 lb. drum, 27s. 6d.

**SULPHUR, VINE.**—A product of high quality, contains 99.99.5 per cent. of Sulphur. Can be applied to Vines without fear of burning foliage. Per lb., 6d.; per 100 lbs., 38s.

**WEED KILLER AND GRASS STIMULANT.**—Specially prepared for eradicating weeds from lawns, bowling greens, etc. For the more vigorous weeds and grasses on paths and tennis courts an arsenical exterminator is needed. Per 5 lb. carton, 4s.; per 100 lb. bag, 25s.

**GARDEN FERTILISER, "CAPEX" (Concentrated).**—This Fertiliser has been compounded after careful study of Rhodesian soils. When used in liquid form the results are unique, whilst applied to crops generally the axiom is:—"Plant a Garden with 'Capex.'" Per 2½ lb. carton, 1s. 6d.; per 7 lb. bag, 3s. 6d.; per 14 lb. bag, 6s.; per 25 lb. bag, 10s. 6d.; per 50 lb. bag, 17s. 6d.

**GARDEN FERTILISER (General Purpose).**—This Fertiliser is recommended for all Vegetables and Flowers. Per bag of 200 lbs., £1 2s. 6d.; per ton, £9 5s.

**NITRATE OF SODA.**—Per lb., 6d.; per bag 200 lbs., 37s. 6d.

**SULPHATE OF AMMONIA.**—Per lb. 8d.; per bag 200 lbs., 48s. 6d.

**SULPHATE OF POTASH.**—Per lb., 6d.; per bag 200 lbs., 35s.

**MURIATE OF POTASH.**—Per lb. 6d.; per bag 200 lbs., 29s.

**SUPERPHOSPHATE (High Grade, 19.5 per cent.).**—Per bag 200 lbs., 14s. 6d.; per ton, £7 2s.

**BONE MEAL (Sterilised).**—Per bag 200 lbs., 22s.; per ton, £10.

**WHALE MEAL.**—Per bag 200 lbs., 35s. 6d.; per ton, £16.

**BLOOD MEAL.**—Per bag 200 lbs., 29s.; per ton, £13.

**BASIC SLAG.**—Per bag 200 lbs., 16s. 6d.; per ton, £7.

Prices of Compound Fertilisers on application.

All prices are subject to market fluctuations and alteration without notice.

## Control of some Insect Pests occurring in Southern Rhodesia.

**CUTWORMS.**—Cultural Methods.—The female moths tend to lay their eggs amongst newly germinated weeds, etc., on cultivated lands in the spring. The land should, as far as possible, be kept free from such weed growth. Winter ploughing, followed by thorough cultivation, is indicated.

**Remedial Measures.**—The land may be treated with a poisoned bait consisting of chopped green stuff, such as beans, potato tops, lettuce or available succulent weeds dipped in the following formula:—

|                                   |           |
|-----------------------------------|-----------|
| Paris Green ... ..                | 1 lb.     |
| Molassés or cheapest sugar ... .. | 8 lbs.    |
| Water ... ..                      | 10 galls. |

An alternative formula recommended in the South African Union is:—

|                        |           |
|------------------------|-----------|
| Sodium Fluoride ... .. | 2 lbs.    |
| Water ... ..           | 10 galls. |

The poisoned bait should be distributed over the land towards evening to avoid the drying effect of the sun. The best results are likely to be secured if the land is free from growing plants at the time.

**LEAF-EATING CATERPILLARS, BEETLES, ETC.**—The infested plants should be sprayed or dusted with a suitable arsenical compound:—

Sprays—

|                                   |           |
|-----------------------------------|-----------|
| (1) Arsenate of Lead (powder) ... | 1 lb.     |
| Water ... ..                      | 30 galls. |
| (2) Arsenate of Lead (paste) ...  | 1 lb.     |
| Water ... ..                      | 16 galls. |

Arsenate of Lead is the safest of the arsenical compounds in common use as plant sprays in regard to injury to foliage, but is slower in its action on insects than some others.

|                        |            |
|------------------------|------------|
| (3) Paris Green ... .. | 1 lb.      |
| Fresh Lime ... ..      | 2 lbs.     |
| Water ... ..           | 160 galls. |

Paris Green does not adhere to the plant as closely as Arsenate of Lead, and tends to burn plants, such as beans, etc., which are particularly susceptible to arsenical injury. It is, however, a more powerful stomach poison for insects.

Dusts—

|                                   |          |
|-----------------------------------|----------|
| (1) Arsenate of Lead (powder) ... | 1 lb.    |
| Sifted Slaked Lime or Flour ...   | 4-5 lbs. |
| (2) Paris Green ... ..            | 1 lb.    |
| Sifted Slaked Lime or Flour ...   | 25 lbs.  |

Mix thoroughly and apply to the plants with a dusting machine or shake on plants through coarse hessian or sacking.

**AMERICAN BOLLWORM OF COTTON.**—Thorough ploughing and working of lands in winter. Maize has been recommended as a trap crop. No really effective spray or dust yet found and control measures generally not yet evolved in South Africa.

**SPINY BOLLWORM OF COTTON.**—All dropped bolls should be collected and destroyed. Thorough cultivation of land in winter probably beneficial. No effective treatment of plants yet evolved.

**APHIDES (Cotton, Citrus, etc.).**—Sprays containing nicotine most effective. Proprietary brands by reputable manufacturers may be used at strengths recommended. To prepare home-made wash steep 10 lbs. waste tobacco in 20 gallons of water for 2-3 days or simmer over a fire for 2-3 hours. When ready strain off for use. Whatever preparation is used, provided it does not already contain soap, dissolve 1 lb. soap in each 20 gallons. It is doubtful if it pays to spray cotton for aphids alone.

**COTTON STAINER.**—Collection by hand, dropping them into tins containing water with a little paraffin added, is practised. Destroy all weeds related to cotton, e.g., Hibiscus. Place small heaps of cotton seed in lands, keep moist, and the attraction afforded will enable them to be picked in large numbers and destroyed.

Encouragement of birds in cotton fields, e.g., Guinea Fowl, Chickens and Turkeys, indicated. Lizards also prey upon stainers.



**ABOL INSECTICIDE.**—The never-failing remedy for Green and Black Fly, American Blight, Caterpillars, etc. "The Sure Kill for Insect Pests." Per  $\frac{1}{2}$  pint tin, 2s.; per 1 pint tin, 3s. 6d.; per quart, 5s. 6d.

**HORTICOL.**—As a preventive against seed eating pests, etc., spray seed with Horticol before sowing and ensure your crop. Per tin, 2s. 6d.

**THOMSON'S STYPTIC.**—For preventing the bleeding of Vines and other trees. Per bottle, 3s.

**PARIS GREEN.**—One of the most powerful insecticides in commerce for leaf-eating insects, caterpillars, etc. Per lb., 3s.

**QUASSIA CHIPS.**—A very efficient insecticide can be made from these for many forms of sucking insects, particularly Aphides. Per lb., 1s. 6d.

**RESIN.**—Specially recommended for the destruction of Scale, etc. Per lb., 8d.





**STICTITE.**—Banding compound for Fruit Trees. A most efficient trap for all ground insects and caterpillars. Per  $\frac{1}{2}$  lb. tin, 2s.; per 1 lb. tin, 3s. 6d.; per 2 lb. tin, 6s.; 1 lb. of Stictite for 9 to 12 trees of about 8 inches diameter.

**VERMORITE (Vermorels).**—A French preparation similar to Bordeaux Mixture, highly recommended for all purposes. Per pkt., to make 20 gallons solution, 4s.

**WHALE OIL.**—Used in the preparation of Resin Wash. Per bottle, 2s.; per gallon, 9s.

**X L ALL INSECTICIDE PASTE.**—The best all-round Nicotine Wash; destroys all tree and plant pests effectively. Per 1 lb. tin, 6s. 6d.; per 3 lb. tin, 16s. 6d.; per 7 lb. tin, 33s. 6d.

**X L ALL ORCHARD AND FRUIT TREE WASH.**—The cheapest and best wash for using on a large scale in deciduous fruit orchards. Per 1 lb. tin, 2s. 9d.; per 3 lb. tin, 6s.

**X L ALL WINTER WASH.**—For dormant fruit trees and bush fruits this is acknowledged to be the best winter wash in existence. Per 1 lb. tin, 2s. 6d.; per 7 lb. tin, 12s. 6d.

**WEED KILLER ("Eureka").**—For killing all weeds and grasses on walks, drives and tennis courts. Easily mixed and applied. Per tin, to make 12 gallons, 4s.; per tin, to make 25 gallons, 6s.; per tin, to make 100 gallons, 20s.; 25 gallons of solution will dress 100 square yards.

**CLAY'S FERTILISER.**—A high class general plant fertiliser. Per tin, 1s. 6d. and 2s. 9d.; per 28 lb. bag, 18s. 6d.; per 112 lb. bag, 60s.

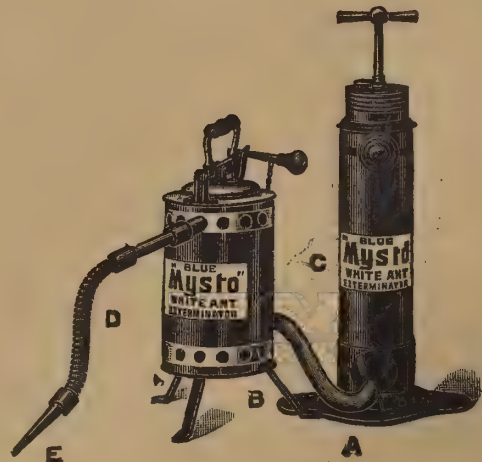
**THOMSON'S VINE MANURE.**—Highly recommended for vines and indoor plants. Per tin, 2s.

**CHARCOAL.**—Per bag, 4s. 6d. net.

**LIME (Agricultural), "Que Que."**—Prices net, per bag, 5s. 3d.

**WHITE ANT EXTERMINATORS.**—"Mysto" and "Four Oaks."—It has been proved conclusively that these machines provide the most efficient method of destruction of White Ants by means of fumigation of their nests. The machine combines simplicity of action with efficiency and durability. Full instructions for use supplied with each machine. Price, complete, £5. Ant Exterminating Powder, 8s. per tin.

All Spare Parts Stocked.



"A"—Air Pump Chamber.

"B"—Charcoal Chamber and Gas Generator.

"C"—India-rubber Air Tube.

"D"—Flexible Iron Gas Pipe.

"E"—Nozzle for Placing in Ant Hill.

## *Floral Department.*

**WREATHS, CROSSES, ANCHORS, CHAPLETS** and other designs. Price 10/6, 15/-, 21/- upwards.

**BOUQUETS, SHEAVES and FLORAL BASKETS** artistically made from the choicest Flowers in season. Price 15/6 upwards.

**CHOICE CUT FLOWERS.**—Fresh every morning, packed to carry anywhere in Rhodesia by post or rail.

We have large stocks of **Artificial Flowers**, such as Capes, Rose Buds, Sweet Peas, Violets, Lily of the Valley, Orchids, Liliums, Snowdrops, Pheasant Eye, Tulips, Hyacinths and Chrysanthemums. These are being largely used now for wreath making, and we have every confidence in recommending these Artificial Flowers either for Decoration or Memorial purposes.

**PALMS, FERNS and OTHER PLANTS** for House or Church Decoration, on hire at moderate charges.

**Satisfaction guaranteed by Expert Florists.**



## *Landscape Gardening, Pruning, etc.*

*Being in touch with experienced men, we are always able to recommend highly qualified gardeners for any work which customers may desire carried out.*



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